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# DRUG & CHEMICAL MARKETS

Established 1914

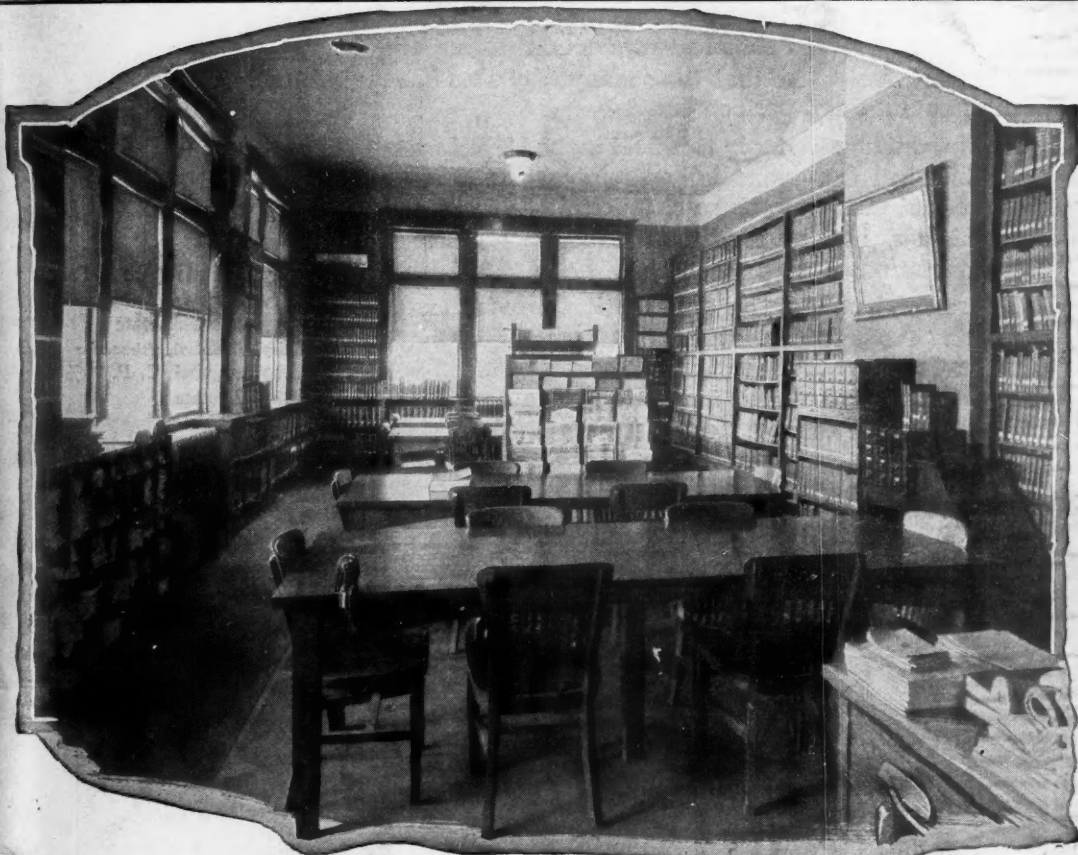
U. S. Department of Agriculture

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOL. XVII

NEW YORK, DECEMBER 2, 1925

No 23



## What is Practical Research

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Chemicals

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Important uses for these products were developed by the impetus given to chemical production during the recent war. And since that time many new uses have been discovered and perfected.

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Ethyl Aceto-Acetate  
Ethyl Alcohol, Absolute  
Ethyl Alcohol, C. P. 96%  
Ethyl Lactate  
Ethyl Oxalate  
Ethyl Phthalate  
Ethylene  
Isobutyl Alcohol, Refined  
Normal Propyl Alcohol, Technical  
I. C. Potash  
Refined Fusel Oil

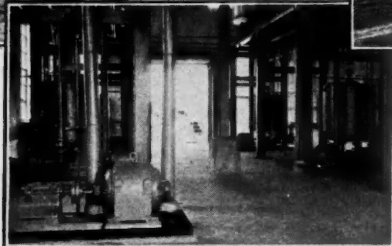


Above is shown one of the units of the company's plant, the Distilling Building

Some of the electrical machines that mix the chemicals accurately and efficiently



In the building above ether is produced for medical and scientific purposes



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## DRUG & CHEMICAL MARKETS

(Title and Style Registered in U. S. Patent Office)

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VOL. XVII

No 23

## The Week in Brief

### News

German tartaric acid producers again form selling association to handle their goods for export. The three producers formerly sold through a common agent, but this agreement was dissolved several years ago. No change in American representation is anticipated.

Expect a short crop of peppers in Java this year, says a report from Buitenzorg. Expect 175,000 piculs this year against 350,000 in 1924.

Available stocks of methanol showed a material reduction in October, reaching the lowest point since March. Quicksilver output has averaged over 30,000 flasks per year since 1850, during which period close to two and a half million bottles have been produced in the United States, says the report of the Bureau of Mines, just out.

### Markets

The recent storm along the Sicilian coast may force higher prices in lemon, bergamot, and orange oil prices. Orange is higher on spot this week. Anise is cheaper.

A steady tone prevails in the fine chemical market with prices for most of the standard items well maintained. Menthol continues its downward course with quicksilver remaining strong.

Trading has been quiet in crude drugs with few developments of importance. Gums are all firm with some scarcities due to default of shippers in the producing field.

Refined sulfur prices advanced. New tin salt prices. Formic acid higher for 90%. Market for industrial chemicals is generally strong; but prices show little variation.

Intermediate manufacturers name unchanged prices on all products. Competition sharp on contract business in some instances. Benzene remains the only light oil obtainable. Phenol, naphthalene, pyridine, and cresylic acid unchanged.

Vegetable oils remain firm with coconut oil still in a very tight position. Tallow is higher and animal products as a whole are steady. Cottonseed oil is higher.



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DRUG & CHEMICAL MARKETS

# MATHIESON Chemicals

## Quality Is Paramount

WITH many of the raw materials going into the chemical-consuming industries, market fluctuations are wide and frequent. In such cases the question of price may readily assume in the mind of the buyer an importance out of all proportion to other vital considerations.

This undue emphasis on price may often extend even to those raw materials where market changes are infrequent and small, and where little may be gained by "shopping" for lower quotations. Thus, when the quality and uniformity of the product and the character of the manufacturer should be the prime considerations, price frequently becomes the principal deciding factor. Long-established brand names and records of service may be entirely disregarded for a negligible difference in price.

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Anhydrous Ammonia*



*Soda Ash ~ Bleaching Powder  
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# DRUG & CHEMICAL MARKETS

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## BIOLOGICAL STANDARDIZATION

The standard posterior petuitary powder, distributed by the Department of Agriculture, has quickly demonstrated splendidly the practical importance of this work. Compared with the old method of standardizing with hystemine hydrochloride, the obvious advantages of direct comparison with an identical standardized substance have been fully demonstrated and already leaders in obstetrical practice have recognized the better results. Petuitary extract is used at critical times and the compelling necessity of the practitioners' forecast of results to be obtained is the basis of its use. The Department could hardly have selected a better product on which to initiate the standardization of biological products and the results obtained must be gratifying in Washington. It would be difficult to find a branch of the chemical industry where standardization not only presents more technical difficulties; but where, at the same time, it is of more practical and far-reaching value.

## THE RISE IN GLYCERIN PRICES

After standing steady at prices below pre-war levels for the past five years, glycerin has suddenly in the space of three weeks, advanced in price about thirty per cent, passing the highest point registered in 1919. This sharp advance, following closely, as it did, upon the attempt of several of the leading soapmakers to push the use of glycerin as an anti-freeze in motors, was immediately laid by many to this diversion from regular channels of such large stocks. In fact, some have gone so far as to intimate that motor-glycerin is merely a ruse to get higher prices from regular consumers. While this opening of a comparatively new consuming field has undoubtedly been a contributing feature, and while it is but human to seek a higher profit on the production of any commodity, there are, however, several other factors contributing to make the glycerin market one for speculation. It is reported that the war time stock of explosives has about been exhausted and that therefore, powder manufacturers are again coming into the market for appreciable amounts of glycerin.

The increase in the imports of glycerin from abroad has been noticeable. This very foreign glycerin, however, should have a stabilizing tendency on the market because the costs of production and the weak exchange condition existing in France permit its being brought into this country at below domestic prices. The tendency of soapmakers to change from one fatty oil to another as the price

varies, also produces varying amounts of glycerin in the way of normal production. The ready welcome accorded glycerin in the anti-freeze market and the reported augmented demand from former regular consumers, makes it seem likely that glycerin will continue at higher levels, although it may not maintain its present pinnacle.

## WHAT PRICE AVERAGES SHOW?

For the month of November, average prices for most groups in the fields covered by DRUG & CHEMICAL MARKETS showed a rather pronounced upward trend. With the exception of botanicals in the drug products, and coal-tar intermediates among the chemicals, values appreciated.

From the lowest levels of the year in September, heavy chemicals rose to the highest point at the close of November. Quite true that the range of average prices over the whole year was comparatively small, but the fact that all declines for the first three quarters were more than offset by the rebound of October and November, indicates plainly the present trend of the market.

The slight decline in the average price of crude drugs during November was of minor importance, particularly when present prices stand close to the peak of the year and above the average of last January first. Medicinal chemicals have shown varied price movements during 1925 thus far, but the fact that November closing prices averaged highest for the year, is also indicative of the current trend in this group. Essential oil figures have smashed all records as far as averages are concerned, due mostly to the influence of peppermint oil which jumped over ten dollars per pound during November. The essential oil group, however, independent of peppermint, continued to show an upward trend in November as for several months past.

As far as oils and fats are concerned, November was marked by rising prices, but the difference was slight and values just about approximated the average for previous months of the year. Intermediates have been the most disappointing group from the sellers' point of view, not only in November, but for several months past. The price trend has been steadily downward and has shown little inclination to recover. Under steady pressure of severe competition between manufacturers, prices have not responded to improved demand. Better business has apparently meant just so much more business to fight for with consequent toll in values.

As the chemical and drug markets enter the last month of the year, the condition is healthy. De-

mand is generally sound at prices which reflect stronger markets, and improved conditions in consuming industries. November showed unmistakably that the reports of better business which have been broadcast for several months past, have at last reached the chemical and drug industries.

### COST OR COMPETITION

Selling prices of manufactured chemical products are based on two main factors,—cost and competition, and the extent to which the price on any particular product varies, generally gives a ready indication as to how great an extent the price depends on either one. Many products have a limited consumption in certain directions and manufacturers realize that lower selling prices would not increase consumption. These products are practically always sold on a competitive basis, and the only reasons for prices moving up or down are increased selling pressure, new makers, or discontinuance of manufacture on the part of some makers.

But other products, and they are the products that move in very great volume and enter into many industries, are sold at prices only slightly above cost. On these items, makers realize that the only way to increase production and thereby increase profits, is by increasing consumption, and this is brought about to a great extent by lowering selling prices. Attempts to advance prices on these products are futile, since the potential production is so great that the market would be immediately over-produced, and attempts to lower prices without decreased manufacturing costs, would be suicidal.

In the closing of contracts consumers can generally determine by the past history of the market whether or not the price is based primarily on competition or cost, and any changes in market conditions of products based solely on cost are usually very well heralded. The recent break in ammonia prices dates back to the introduction of synthetic production, and was fully expected. There are also other products in an analogous position, and consumers can well be wary of these in months to come.

The railroads have been forced to recognize the multiple-tank car as entitled to the freight rates established by the Interstate Commerce Commission for other types of tank cars long familiar to the public. The company which invented the multiple-tank car to meet the requirements of customers using liquid chlorine, found its progressive plans blocked by the United opposition of the carriers, but brought the case before the Interstate Commerce Commission and won a verdict which will benefit many industries. The company has adopted the broad and liberal policy of allowing car builders to duplicate the multiple-tank for other liquid chlorine producers in spite of the fact that it is patented.

## Ten Years Ago

From the Dec. 1, 1915 issue of "Drug & Chemical Markets":

Chairman Davies of the Federal Trade Commission is engaged in the preparation of a bill soon to be presented to Congress, designed to prevent the "dumping" of foreign made products into this country at the conclusion of the present European War, under conditions which would constitute unfair competition.

Although efforts will probably be made to keep open the Russian port of Archangel, a heavy buying movement, in anticipation of the closing this source of supply for the winter, has caused sharp advances in prices of Russian products here, including lycopodium, cantharides, ergot, and isinglass.

London cables advising of a decline in the quicksilver market has not had a corresponding effect in New York. Instead, according to well informed authorities, prices here are ranging between \$100 and \$110 a flask with a ready sale for all quicksilver offered. Importations of this metal are being made from Mexico but the quantities are only nominal and have no effect on the market here.

The Manufacturing Perfumers' Association of the United States has entered formal protest against the re-enactment of the Emergency Revenue Stamp Tax and has presented a memorial to the Secretary of the Treasury McAdoo.

Almost all the thymol used in the United States in the past has been imported from Germany. This source is now closed and as no other country is prepared to manufacture thymol on a scale of sufficient magnitude to satisfy the demands, it was inevitable that a shortage and accompanying increase in price should occur.

Carbolic acid is the center of conflicting and contradictory rumors, but the majority of those in touch with the situation are of the opinion that the market will soon be a little easier. This was evidenced by one large firm which previously could not secure stocks for its needs, refused a hundred ton offer for immediate delivery at a price approximating \$1.75 a pound.

The Stevens anti-cut-price bill, preparations for the introduction of which as soon as Congress convenes, have been made, will have the support of 162 members of the House according to supporters of the bill.

Scarcity of spot stocks of saccharin resulted in a sharp upward trend in prices with holders demanding \$11.50 and \$12.00 per pound, and in some cases, higher prices being paid by consumers who are in urgent need of supplies.

Dr. Wm. H. Nichols, chairman of the board of the Allied Chemical and Dye Corp., has presented New York University with \$600,000 for the erection of a chemistry building. Dr. Nichols is a graduate of the class of 1870, and has taken this way of expressing his appreciation of his alma mater.

Henry C. Hacke, San Francisco, has been awarded contracts for 2,600 pounds sodium carbonate at 11½¢, 1,000 pounds at 8½¢, and 400 pounds at 12.7¢ lb, and John Rothschild & Co., San Francisco, have been awarded a contract for 1,650 cans lye at 7.24¢ by the quartermaster supply department, Fort Mason.



## Chemicals in the Anti-Freeze Market

### *Possible Effects on Glycerin and Alcohol Prices of the Contest for the Automobile Radiator Anti-Freeze Business*

OWING chiefly to the demand for automobile radiator anti-freeze solutions, glycerin prices have staged a rapid advance during the past few weeks. In past years, over twenty-eight million gallons per annum of denatured alcohol have been used for this purpose in the United States. If the use of glycerin,—ethylene glycol has also come to the fore this year for anti-freeze use,—reaches large proportions, what will be the effect on the market for glycerin and also for alcohol if the latter is displaced to any marked degree? The quantity of glycerin available for anti-freeze use is very limited, compared to the total requirements of the country, while alcohol production can be increased almost at will. Will the price fluctuations of the two products strike a balance which will automatically inhibit further use of glycerin? Or, will some entirely new development, like ethylene glycol for example, completely disrupt the whole situation? Whatever happens here means a great deal to the pharmaceutical, proprietary, toilet goods, and other industries who are large consumers of both alcohol and glycerin.

In making a study of the properties of various anti-freeze compounds a year ago, the United States Bureau of Standards first established a criterion by which the value of such compounds could be determined. This criterion seems to have been adopted by the various contestants for the market. "The ideal anti-freezing compound is one that will prevent freezing of the radiator liquid without injuring either engine or radiator, that will lose none of its non-freezing properties after continued use and that does not materially change the boiling point of water when dissolved in it." U. S. Bureau of Standards Letter Circular, L. C. 28, Revision of Nov. 15, 1924.

Acceptance of this standard immediately discards all electrolytes, as well as honey, glucose, and kerosene. The electrolytes would attack the metal of the radiator and motor. Honey and glucose when used in proportions sufficient materially to lower the freezing point, are so viscous as to impede the ready flow of the liquid through the cooling system. Kerosene has such a low specific heat that it readily permits overheating of the engine. This left, at the time the report was made, two principal contestants for the market, denatured alcohol and refined glycerin, to which has since been added by the research of chemistry, ethylene glycol. Crude glycerin was discarded on account of the electrolytic nature of its impurities. At present alcohol predominates the market to such an extent and seems so firmly entrenched as to appear a permanent institution. However, manufacturers of glycerin and ethylene glycol have started an intensive advertising campaign and are pushing their products so hard in certain areas that a serious threat to the supremacy of alcohol is evident. In fact, the threat is so real that alcohol producers have themselves instituted a general publicity campaign in the threatened areas, pointing out why, in their estimation, alcohol is the ideal anti-freeze.

#### The Size of the Market

In view of this struggle for supremacy in the market, a study of the claims advanced by the various producers for their products seems particularly apt at this time when the season for the demand of anti-freezes is just setting in. An idea of the proportions of the struggle may be obtained when it is realized that last year something like 28,000,000 gallons of alcohol were used for that purpose. It has been estimated that there are about 19,000,000 automobiles in the United States, of which 15,000,000 are in areas where it is necessary to add some anti-freeze solution to the radiator.

The contestants for the market advance diametrically opposite claims as to some of the characteristics of the various materials offered and are willing to back them up by laboratory and operating test evidence. For instance, the claim that glycerin attacks the rubber connections of the radiators is denied by glycerin producers who have run thirty-seven day tests on rubber hose in water, alcohol solutions, and glycerin solutions at 185° F., the temperature of maximum efficiency of a motor, and then tried burst tests which showed that the glycerin did not affect the durability of the rubber. On the other hand, alcohol producers have also run tests which prove equally conclusively that glycerin does injure the rubber. Whether a burst test can be taken as conclusive evidence is a matter of question. Ethylene glycol has not been accused of injuring the rubber and its makers claim that it does not.

As to the anti-freeze properties themselves, ethylene glycol lowers the freezing point most for a given concentration, with alcohol producing slightly better results than glycerin. Mixtures of all of them pass through the "mush stage" before freezing solid, so that if some room is allowed for expansion, a certain margin of safety exists below the point of formation of first crystals. But during this "mush stage," the ease of flow is materially retarded and the motor cooling capacity is thus reduced. Of course, none of them is quite as effective a cooling agent as pure water, the specific heats of all ranging between 0.5 and 0.6 according to the temperature, with a slight advantage toward the alcohol in this phase.

#### The Claims of Producers

The main claim of the lesser contestants for the field is that on account of its low boiling point, alcohol is readily lost and has to be constantly replaced, besides rendering it uncertain at any time whether there is enough present. This fact cannot be denied, since the boiling point of pure alcohol is about ten degrees below the temperature of maximum efficiency, and even in the solution, the alcohol tends to evaporate, leaving the higher boiling water behind. The evaporation of the alcohol, however, adds to its cooling capacity. On the other hand, both glycerin and ethylene glycol have boiling points considerably higher than water and tend to raise the boiling point of the solution, thus permitting an engine to heat up to a higher temperature before boiling than either water or an alcohol mixture.

Both glycerin and ethylene glycol are odorless and present no fire hazard, neither of which can be claimed

for denatured alcohol. On the other hand, they are both more viscous than alcohol and require premixing with water before introducing into the radiator, whereas alcohol can be poured into the water already present. However, there is little danger of the others separating out after being mixed. In fact, as ordinarily placed on the market for anti-freeze purposes, both glycerin and ethylene glycol are already mixed with about 40 per cent of water so that they can be placed in the radiator as bought, but this generally requires draining the radiator first in order to obtain the proper proportions in the mixture. If, in pouring an anti-freeze solution into the radiator, some is spilled on a lacquered hood, alcohol will attack the lacquer while the others will not. The dilute mixture or the vapor, however, will not harm the lacquer.

#### Initial and Later Costs

In certain types of motors, using a pumping system, the packing in the pump is of a material which swells in contact with water or alcohol but shrinks in contact with glycerin and allows the liquid to leak out. In addition to this, glycerin has a higher capillarity than alcohol and there is a greater chance of its seeping through the space between the motor block and the cylinder head into the cylinders and there carbonizing. In fact, in all the advertising literature sent out by glycerin producers, repeated emphasis is placed on the necessity of making certain that all connections are tight before the mixture is placed in the radiator.

As to cost, alcohol is by far the cheapest for the initial expenditure, and in average cases, the refilling required for alcohol is estimated to bring the cost to less than the one initial expense required for the use of either of the other materials. This is a drawback in some retail sales where first cost is a big factor.

#### Effects on the Market

The immediate market effect of this struggle for supremacy is very marked in the case of glycerin. This material has for the past four years been moving along at below pre-war prices, and suddenly, during the past month has advanced in price over thirty per cent. Some are inclined to lay this sharp advance entirely to the diversion of stocks from other channels to the anti-freeze market, but others state that there is also the fact to be considered that surplus stocks of explosives, carried over from the war, have been holding the market down for some time and that they have now been used up and the demand for glycerin from this source has suddenly revived. At any rate, the explosive manufacturer as well as the pharmaceutical manufacturer now has to pay thirty per cent more for his glycerin than he did a month ago. If the anti-freeze demand becomes sufficient, higher prices yet may prevail. With production at its present figure, glycerin cannot begin to meet the entire demand for anti-freeze, and if production were increased to such a point that it offered serious competition to the alcohol industry, the latter could lower its price over quite a margin, due to a closer control of raw materials. Ethylene glycol is a comparatively new comer in the field of commercial chemistry, and its price may yet show radical changes one way or the other, according as the demand and the production costs may vary.

The Wholesale Drug Trade Bowling Association reports the following games rolled on Nov. 23, figures in parentheses being handicaps: Squibb No. 1, 797, Biddle Purchasing Co., 785; Squibb No. 1 873, Juniors (75), 856; Squibb No. 2 (75), 860; Squibb No. 1, 813; Squibb No. 2, 747; Juniors (14), 741; Biddle Purchasing, 925, Juniors (75), 848; and Biddle Purchasing, 789, Squibb No. 2 (75), 763. Over 200 scores were rolled by Howe, 235 and Garlinger 202, both men being of Biddle Purchasing Co.

### Trade Notes and Personals

Albert David Chemical Co., New York, has moved its office and warehouse to 43 Summit st., Brooklyn, N.Y. Telephone Henry 1413-1414.

General Chemical Co. has issued catalog No. 85 of Baker & Adamson reagent chemicals. Over 1,000 products are listed with specifications, packing and prices.

E. J. Barber, for several years past head of the chemical department of the White Tar Co., New York, has joined the sales department of the American Cyanamid Co., New York.

Hinkel & Ewing Mfg. Co., Philadelphia, have been awarded a contract to supply the Philadelphia Quartermaster's Intermediate Depot with 10,000 pound naphthalene in barrels at 5.45c lb.

Employment in chemical establishments in the United States increased 8.7% in October, 1924, over the same month in 1925. Payrolls in October this year were 11.2% larger than a year ago, says the U. S. Department of Labor.

Chicago Perfumery, Soap and Extract Association held its annual meeting at the Hamilton Club, Chicago, on Dec. 2 at 12:30. Louis J. Freundt was elected president for 1926, Euclid Snow vice-president, and M. Lemermeyer secretary-treasurer.

Grasselli Medal meeting of the American Section, Society of Chemical Industry, will be held Friday evening, Dec. 4, at the Chemists' Club, New York. Dr. Edward R. Berry, recipient of the medal, will speak. Other speakers will be Dr. Allen Rogers and Dr. R. W. Wood.

Horace E. Hall, formerly with Commercial Solvents Corp., has joined the sales force of Miner-Edgar Co., and will cover the Brooklyn and Long Island territory. A. H. Damig, formerly of the Internal Revenue Department, Newark, has also joined their staff and will cover New Jersey.

Official tares for cuttlefish bone packages have been changed by the Committee on Tares of the Drug Section of the N. Y. Board of Trade and Transportation, as follows: "Official Tares," page 10, "Cuttle, Fish Bone, Trieste." Strike out the words "50 lbs. per strap of 4 boxes, including burlap—single boxes 10 lbs. tare," and substitute therefor the following words: "Invoice Tare." When amended the provision will read: "Cuttle, Fish Bone, Trieste, Invoice Tare." The committee is composed of Isaac V. S. Hillier, Irving McKesson, Jesse L. Hopkins, Wm. Archibald, S. B. Penick, J. H. Howe, Samuel M. Moneypenny.

John F. Queeny, chairman of the Board of Monsanto Chemical Works, was re-elected as the representative from St. Louis to the Board of Directors of the Mississippi Valley Association. This body has for its purpose the improvement of American inland waterways system. At a meeting held the week of November 23 in St. Louis, it was decided to request of President Coolidge and every national representative and senator in the 26 states between the Allegheny and Rocky Mountains so as to have Congress pass a law at its forthcoming session unequivocally providing for completion within five years of all the inland waterways projects so far approved.



# Industrial Chemical

## SECTION



### U. S. Quicksilver Output 2,436,000 Flasks

**Since 1850, Western Mines Have Produced Over 30,000 Flask Average Annually—California Has Been Leading Producer—Mostly From Ore Running One Half Per Cent of Mercury or Less—Poorly Organized Industry All Over the World—Uncertainties of Mercury Market Interfere With Mining and Smelting Plans**

In the 75-year period ending with 1924, the United States produced 2,436,000 flasks of quicksilver worth \$121,191,000. California yielded the great bulk of this total; the remainder came from Texas, Oregon, Nevada, and Arizona. Most of this metal has been extracted from low-grade ores, those containing less than 0.5 per cent mercury or 10 pounds per ton, according to a report recently completed at the Pacific Experiment Station of the Bureau of Mines at Berkeley, Calif.

Because quicksilver is unique in being the only metal that is liquid at ordinary temperature, and because of other properties, it is indispensable to industry. On the other hand, the quicksilver industry of the world is of vanishing significance when compared to the major mineral industries with respect to quantity and value of product, capital invested, or the number of men employed. The peculiar value of quicksilver is due to the fact that in some of its applications no substitute is available and in others the substitutes would be unsatisfactory or extremely expensive. Scarcely a branch of science or industry fails to make some use of mercury or its compounds. As a detonator for explosives, mercury fulminate holds first place and in safety and reliability could be replaced only by the highly expensive silver fulminate. Through its use in detonators and in the metallurgy of the precious metals, quicksilver is of special importance to mining. In medicine, in the manufacture of electrical apparatus, the production of pigments and antifouling paints, and the general field of experimental science, quicksilver is equally indispensable.

Because of its small commercial importance and the lack of a stable market and price for the metal, the quicksilver industry, as a whole, has not had the benefit of the same metallurgical and business direction that has been given to the winning of the major metals, according to the Bureau of Mines. The unique relation of mercury to national health because of its use in certain drugs and to national security because of the need for quicksilver fulminate for defensive purposes and the indispensability of the metal and its compounds in science and industry were the reasons behind the investigation of the quicksilver industry by the Bureau of Mines. In Europe, government interest has been direct. The deposits at Almaden, Spain, are owned and the product is marketed by the Spanish Government; the mines at Idria, formerly belonging to the Austro-Hungarian Government, have now passed under Italian control; and the most productive mines of the Monte Amiata district, Italy, which were largely owned by German interests, were taken over by the Italian Government after Italy's entry into the World War. While under the control of

the Austro-Hungarian government, the mines and reduction works at Idria employed a number of able engineers, and as a result, notable advances in the metallurgy of quicksilver were made there. In the United States the quicksilver deposits, which can supply domestic needs for many years to come, are, of course, privately owned.

The quicksilver industry has suffered from lack of competent technical supervision, and some time and effort have been wasted through attempts to devise improvements in process and equipment without adequate regard for developments in other branches of metallurgy. Knowledge of the metallurgy of quicksilver has advanced sufficiently, however, that adequate information is available for the design, construction, and operation of a plant for the treatment of any ordinary mercury-bearing ore. Improvements in practice will consist mainly in applying available information more efficiently. Fluctuations in the price of and demand for quicksilver have tended to prevent operators from carrying on development in advance of actual mining; in consequence, the planning of a systematic mining program has been impossible. The Bureau of Mines believes that the greatest opportunity for increasing the economy of quicksilver production lies in giving more attention to the geology of the deposits and the improvement of mining methods.

#### PREPARE 1925 MANUFACTURERS' CENSUS

The next biennial census of manufactures, which will cover the year 1925, is now in course of preliminary preparation. Blank forms upon which reports will be returned to the Bureau of the Census, will be mailed to all manufacturers about Jan. 1. Reports are required from all manufacturers whose gross products for 1925 amount to \$5,000 or more. The Bureau urges prompt return of filled in reports by manufacturers.

The Peruvian Government has agreed to grant a match monopoly to Swedish manufacturing interests, but the contract as originally drawn up, was so mutilated in passing through the Peruvian Congress that the representative of the Swedish interests has refused to sign it. It is believed that an agreement will be reached according to U. S. Commercial Attache H. Bentley MacKenzie, Lima. Meanwhile, the Government has imposed a tax of six centavos on each box of matches, bringing the price of smokers' size boxes to 10 centavos or 4c in U. S. money. The purpose of the tax is to provide revenue for the irrigation works along the coast.

A higher peroxide of barium, with the formula  $\text{BaO}_3$ , is claimed to be obtained by the action of excess of hydrogen peroxide on an aqueous mixture of baryta at  $20^\circ \text{C}$ , according to a paper read before the British Chemical Society by Miss M. Carlton. The product is a white substance, which turns brown on standing.



## The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy Chemicals, see pages 1546-1564

### ALL GRADES OF REFINED SULFUR HIGHER

First Advance in Some Years Follows Advance in Crude—Sodium Nitrite Easier—Tin Salt Prices Remain Unchanged for December—Zinc Chloride Very Weak—Ethyl-Methyl-Ketone Higher—Formic Acid Up for 90%—Market Generally Firm With Good Consuming Interest

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Acid Formic 90%, ¼c lb	Sodium Nitrate, Crude 4c 100 lb
Ethyl Methyl Ketone, 2½c lb	Sulfur, Refined, 10c to 20c 100lb
Tin Oxide, 1c lb	

Declined	
Sodium Acetate, ½c lb	Sodium Nitrite, ¼c lb.
Zinc Chloride, ¼c lb	

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Acetic Acid, Glacial ....lb	\$11	\$11	\$11	\$11	\$19½	\$07
Sulfuric Acid, 66 deg...ton	14.00	14.00	14.00	14.00	55.00	30.00
Ammonium Sulfate, 100lbs	2.95	2.95	2.95	2.75	7.50	2.65
Bleaching Powder, 100lbs	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sulfate c/l...100lbs	4.45	4.45	4.45	4.60	20.00	4.60
Potash, Caustic, Imp...lb	.07¼	.07¼	.07¼	.07¼	.87	.08
Soda Ash, 58 p.c....100lbs	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate...lb	.08¼	.08¼	.08¼	.08¼	.65	.06¼
Sodium Prussiate ....lb	.10	.10	.10	.09	1.25	.18
Average .....	2.928	2.928	2.928	2.921	10.79	2.99

Firm basic conditions continued to prevail in industrial chemicals throughout the week and were reflected in price advances being recorded in products that are produced in very large volume. Refined grades of sulfur have been advanced for the first time in some years following a heavy demand and recent advances in crude prices. Sulfuric acid prices are very firm on this account. Other mineral acid quotations are firm and contracts are being closed at unchanged prices. Competition remains keen in acetic anhydride and ammonia, and prices quoted cover a fairly wide range. Imported zinc chloride has weakened further due to large stocks on spot. Sodium acetate has likewise declined. Importers are firmer on 90% formic acid, but low prices are still being accepted for 85% material. The recent tightness in sodium nitrite has disappeared and offerings are made at lower prices. Barium chloride quotations are unchanged and apparently the German Syndicate price is not being applied to this country as domestic makers are still meeting the market. Foreign producers are probably of the opinion that these makers will abandon the market if it continues at low prices, but makers state that there will be no change in their positions.

**Acetic Anhydride**—Competition remains quite keen and prices remain at last week's decline to 27c@32c lb for 85% material, and 31c@36c lb for 92-95% material.

**Acetone**—Makers report a steady demand for all offerings and quote firm unchanged prices.

**Acid Formic**—Importers are quoting higher prices for 90% acid and nothing is obtainable under 11c@11¼c lb. Lots of 85% acid remain available at 9¼c@10c lb.

**Acid Sulfuric**—Market is in a strong position due to

the strength of raw materials. Contracts are being closed at firm unchanged prices.

**Ammonia Anhydrous**—Competition remains very sharp although makers quote unchanged prices of 15c@15½c lb. Reports of shading to 13c lb are indicated in some directions.

**Ammonia Aqua**—Market is slightly steadier although prices show no improvement in any quarter. Prices range from 3c lb to 4¼c lb delivered.

**Ammonium Chloride**—Importers are showing consternation over the recent announced reduction in white domestic material to 6c@7c lb for 1926. Although shipment of imported material is still quoted at 5¼c lb, and spot is rather firm at 5¼c lb, the situation has a decided weak tone. Domestic prices on gray material have not been announced but a reduction is forecast. Spot imported material remains at 6¼c lb.

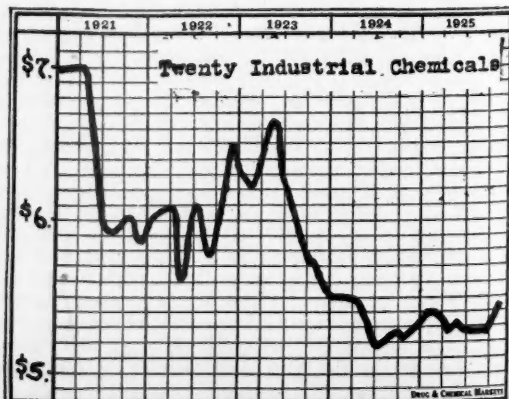
**Barium Salts**—Competition remains very sharp on chloride, and prices on spot continue at \$58.00@\$60.00 ton for both imported and domestic. Apparently the advanced German Syndicate price is not being applied to this country. Domestic makers are still meeting the market, and foreign producers are probably of the opinion that domestic factors will abandon the market if prices remain at present low levels. This does not appear at all likely. The future of the market is very much in doubt, but indications are that it will remain at present prices for the balance of the year at least. Carbonate is creating very little interest and quotations on imported and domestic products have registered no improvement.

**Copper Sulfate**—Market remains heavily stocked, and shading of quotations is indicated in some directions. Open quotations show no change from any maker. The decline in metal prices has weakened the undertone somewhat.

**Ethyl-Methyl-Ketone**—Producers have advanced prices to 30c@31c lb owing to increased demand resulting in greatly decreased stocks on hand.

**Potassium Carbonate**—Firm market continues to be reported by importers whose quotations for both shipment and spot show no variation on any grade. Spot stocks remain small.

**Sodium Acetate**—Market is lower at 4¼c@5c lb as to quantity due to increased stocks in makers' hands.





**Sodium Bichromate**—Spot prices are firm and unchanged from all makers. Contracts are being closed at quoted prices.

**Sodium Cyanide**—Market very firm in all directions. Domestic producers quote 19c lb for carlots, and 20c lb for less carlots of 96-98% material. Importers offer 95-97% material at 18c lb for carlots, and 19c lb for less carlots.

**Sodium Nitrate**—December prices are now prevailing and spot and shipment are quoted firmly at \$2.63 100 lb. Jan. shipment is named at \$2.67.

**Sodium Nitrite**—Tight condition has passed in this market and spot goods are obtainable at 9c lb. Shipment is firm at 8½¢@9c lb.

**Sulfur**—Refined grades have been advanced and quotations are given as follows: brimstone, c-1 bags, \$1.95 @ \$2.15 100 lb; roll c-1 bbls., \$2.30 100 lb; flour heavy 1-c-1 bags \$2.70 @ \$2.95; flour light 1-c-1 bags, \$2.80 @ \$3.05; rubbermakers 1-c-1 \$3.05 @ \$3.30; commercial, c-1 bags, \$1.40; dusting c-1 bags, \$2.05; flowers bbls., \$3.25.

**Tin Salts**—Quotations on bichloride, tetrachloride, and crystals remain at unchanged figures for December shipment. Oxide is higher at 60c lb for recovered, and 66c lb for virgin in barrels.

**Zinc Chloride**—Imported granulated material very weak and prices are being named at 6½¢@6¾¢ lb. Domestic quotations are unchanged but competition is being met.

#### MATHIESON BRANCH AT FAIRMOUNT, W. VA.

Mathieson Alkali Works, New York, has established a new district sales office at Fairmount, W. Va., in charge of W. C. McAdoo as district sales manager. The Fairmount branch will handle territory including West Virginia, southwestern Pennsylvania, and cities on the Ohio side of the Ohio River. This territory was formerly handled from Philadelphia. Warehouse stocks will be carried at Fairmount.

"Solvents for Lacquers" will be the subject of an address to be given by Dr. D. B. Keyes of the U. S. Industrial Chemical Co. at The Chemists' Club, New York, at a meeting of the New York Section of the American Chemical Society on Dec. 11. Dinner will be served at the club preceding the meeting. Reservations should be made with D. H. Killifer, 52 East 41st St.

The following contracts for chemicals have been awarded by the quartermaster, Chicago: 800 cans lye at 7.2c to The Lightnin' Lye Co., Cleveland; 4,250 bottles ammonium carbonate at 13.2c to James Good, Inc., Philadelphia; 8,507 bottles ammonium persulfate at 21.8c to Gulf Chemical and Pine Products Co., New York; and 14,997 bottles liquid ammonia at 15½¢ to Favorite Specialty Co., Washington.

"New Developments in the Chemical Industry" was the subject of an address made by Williams Haynes, publisher of "Drug & Chemical Markets," on Dec. 1 at the monthly luncheon of the executives of the Western Electric Co. at the Murray Hill Hotel.

The soluble cotton plant of Miner-Edgar Co., at Monmouth, N. J., which was damaged by fire some time ago, has resumed operations and is now producing to its capacity.

Five factory buildings of National Milling & Chemical Co., Philadelphia, were destroyed by fire last week with loss estimated at \$100,000. A three-story office building was saved.

#### BARIUM CHLORIDE IN DEMAND IN HAMBURG

**Good Inquiry Also for Calcined Potash Carbonate—Market Generally Quiet in Hamburg—Small Business in Potash Chlorate, Oxalic Acid and Sodium Sulfide**  
(Special Cable to Drug & Chemical Markets)

Hamburg, Dec. 2—The chemical market here is generally quiet with unchanged prices. Consumers' demands are confined to restricted lots. Barium chloride and calcined potash carbonate are in good demand. A small business is being done in potash chlorate, oxalic acid, zinc chloride, and sodium sulfide.

Bromides are neglected. There is little demand for potash permanganate and calcium chloride.

Hamburg, Nov. 18 (By Mail)—The market is still quiet; the money stringency keeps speculation out and the home trade which had been doing a regular business under more normal conditions, has now to wait for months until clients will pay. The import business in all lines is suffering from this lack of money and many a medium firm of the import lines cannot continue their business under these circumstances. Weaker tendency was shown in chlorate of potash, Epsom salts (the technical goods are now as cheap as Glauber salts, cryst.), calcium chloride. Neglected were barium carbonate, barium chloride, chrome potash alum, bichromate of potash and bichromate of soda and potash permanganate. Small business at reduced prices was done in sal ammoniac white granular, and there was also some stir at better prices in hyposulfite of soda, zinc chloride, bromides and naphthalene flakes.

#### CHEMICAL DEMAND EXPANDS IN BOSTON

(Special to Drug & Chemical Markets)

Boston, Mass., Dec. 2—Even though the past week was interrupted by the observance of the holiday, business in chemicals and dyestuffs in the Boston market showed a good deal of activity. In the aggregate, new sales were as large as in any week for some time past and the interest manifested by buyers indicates that an expansion is near at hand. Some fair business is now being done with the shoe factories and the textile bleacheries are beginning to operate on a larger scale. A noticeable scarcity of nitrate of soda has developed and buyers of 25 barrel lots for spot have found no offerings at 12½ cents. Shellac has firmed considerably. Tanning materials are showing improvement although as yet have not moved at all actively. The tanners are not very active just now as there is considerable uncertainty about the trend of colors that will be wanted for the spring shoe run.

#### ACID FREIGHT RATE REASONABLE

(Special to Drug & Chemical Markets)

Washington, D. C., Dec. 2—Rates assailed on sulfuric and muriatic acids in tank cars and carboys from Grasselli, Ind., to Sioux City, Iowa, have not been found unreasonable and the present adjustment is not unduly prejudicial, according to the Interstate Commerce Commission. The commission states that Kennedy & Parsons Co. has not been shown to have been damaged by any undue prejudice which may have existed and the complaint was dismissed. This was the case of the Kennedy & Parsons Co. against the Chicago & North Western Railway Co.

A strike is reported in the plant of Goldschmidt, barium chloride producers in Germany and all shipments are reported suspended.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemical pages 1546-1564

### PRICES REMAIN FIRM IN QUIET MARKET

Makers Generally Unwilling to Shade Intermediate Prices for Contracts—Benzene Remains Only Light Distillate Available—Phenol Fairly Steady—Naphthalene Firm—Pyridine Quiet—Phthalic Anhydride in Good Demand at Firm Prices

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced  
No Advances  
Declined  
No Declines

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	\$24	\$24	\$24	\$25	\$1.10	\$25
Naphthalene flake .....lb.	.0534	.0534	.0494	.0514	.16	.08
Phenol Spot .....lb.	.22	.22	.21	.25	1.50	.08
Toluene .....gal.	.35	.35	.28	.26	—	—
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.101/2
Alpha-naphthylamine .....lb.	.35	.35	.35	.35	1.28	—
Benzaldehyde .....lb.	.70	.70	.70	.70	—	—
Betanaphthol .....lb.	.24	.24	.24	.24	1.50	.08
Dimethylaniline .....lb.	.31	.31	.32	.35	1.30	—
Paranitroaniline .....lb.	.53	.53	.57	.66	1.68	.18
Average .....	0.316	0.316	0.312	0.327	—	—

Intermediate manufacturers continued to quote firm unchanged prices on all products throughout the past week and reported contract business being closed at a satisfactory rate. Large makers have adopted the policy of firm prices that are not subject to shading. These makers indicate, however, that they will not allow any business that has belonged to them, to be taken away on a question of price.

Coal tar distillates are unchanged as to supply and price. Pure benzene is freely offered but prices are firm. All other light oils are unobtainable except on contract and nominal quotations are unchanged. Naphthalene is firm in all directions. Cresylic acid is strong. Phenol is barely steady with shading reported in several instances.

#### Crudes

**Benzene**—Pure benzene is in free supply, but no accumulation of stocks is reported and quotations are firm. Offerings of 90% are very small and an increased demand will probably bring about a further advance in price. Quotations are given at 24c gal. in tanks at cvens for both pure and 90%, and 29c gal. in drums.

**Cresylic Acid**—Market remains in a strong condition owing to the high replacement costs. Spot goods are quoted at last week's advance, and it appears as though further advances will take place as present floating supplies are sold.

**Naphthalene**—Refined material is still offered on contract at 534c lb for flake, and 634c lb for balls, with protection against price decline. Demand has fallen off noticeably on spot during the past week.

**Phthalic Anhydride**—Steady consuming demand of routine character reported by makers who quote firm unchanged prices in all transactions.

**Phenol**—Makers quotations are fairly well maintained

at 22c lb for large drums, and 24c lb for small drums. Some lots have been reported sold at slightly under these prices.

**Pyridine**—Steady but quiet market reported for the past week. Quotations are unchanged and open prices are named for spot goods at \$4.20@\$4.25 gal., with \$4.15 possible if competition is sufficiently sharp. Shipment is still offered at \$3.95@\$4.00 gal. The warm weather and poor demand for denatured alcohol are responsible for the dull condition of the market.

**Solvent Naphtha**—Market conditions show no change and distributors are still finding difficulty in supplying regular consumers. Nominal quotations are unchanged.

**Toluene**—Nothing available outside contracts and nominal quotations are unchanged. Some increase in production is forecast for the turn of the year.

**Xylene**—Consumers continue to exert great pressure upon distributors for supplies but production is still far below requirements. An increase in production is forecast for the first part of next year. Nominal quotations show no change.

#### Intermediates

**Acid Cleve's**—Quiet but firm market reported by makers who report a thoroughly routine demand.

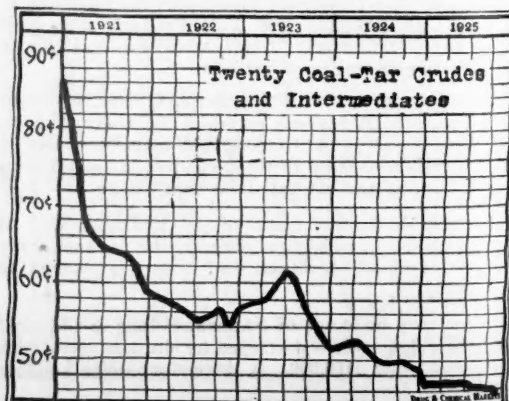
**Acid Gamma**—Makers name firm unchanged prices in all directions and report a moderate demand of routine character.

**Aniline Oil**—Makers quote unchanged prices and report absolute lack of shading. However, they indicate that they will lose no contract renewals on a price consideration. The firm condition of raw materials makes any open price change appear remote.

**Benzidine Base**—Competition remains rather sharp but quotations are unchanged from all makers. Demand is of fair proportions.

**Beta-Naphthol**—Market firm in all quarters at unchanged prices of 24c lb for single barrels. Consuming demand is heavy.

**Dimethylaniline**—Unsettled condition continues. Leading makers quote unchanged prices, while one maker continues to name lower prices. At present it is doubtful that the lower price will be generally met. While



makers' name unchanged prices, they indicate that contract renewals will not be lost on a price basis.

**Meta-Nitro-Para-Toluidine**—Domestic makers report an increased demand and quote firm unchanged prices in all transactions.

**Meta-Tolylenediamine**—Market remains quiet but firm with all makers.

**Ortho-Toluidine**—Situation shows no change and makers report a ready outlet for all production although competition is sharp in some instances.

**Para-Nitroaniline**—While competition remains sharp the market is fairly steady for the time being at 53c lb.

**Para-Toluidine**—Prices remain soft due to low-priced sellers unloading. Some large makers continue to hold their stocks at firm unchanged prices.

## GERMANS MERGE CANADIAN DYE AGENCIES

(Special to DRUG & CHEMICAL MARKETS)

Montreal, Dec. 2—Consolidated Dyestuffs Corp., Ltd., has been chartered here, with authorized capital of \$1,000,000. The companies consolidated are Canada Colors & Chemicals, Ltd., Dyestuff Department, Toronto, Ont.; Grasselli Dyestuff Corp., Ltd., Toronto; Kuttroff, Pickhardt & Co.; McArthur Irwin, Ltd.; Pollock Bros. & Co., Ltd.; Rubinovitch & Haskell, Ltd. The last four companies are all of Montreal and their dyestuff departments only are taken over. The head office of the company is in Montreal, and a branch is being opened in Toronto.

The companies forming the Consolidated Dyestuff Corp. were exclusive agents for German dye makers, and the merger is similar to the arrangement recently made in New York City by H. A. Metz and Grasselli Dyestuff Corp.

Alfred Pollack is president of the new company; John Irwin vice-president, and Gustav Stoecker, secretary-treasurer. Directors are: Otto Palm, who will act as manager of the Toronto office; Major R. R. Carr Harris, of Toronto; William von Rath, Dr. R. Hutz and E. K. Halback, of New York.

## TEXTILE COLORISTS MEET IN BOSTON DEC. 4

(Special to DRUG & CHEMICAL MARKETS)

Boston, Mass., Dec. 2—The fifth annual meeting of the American Association of Textile Chemists and Colorists will be held in Boston on Dec. 4 and 5. The meetings will be held at the Copley Plaza Hotel. A feature of the meeting will be an open forum at which manufacturers, dyers, and chemists will discuss problems of their industries. Among the subjects will be the scratching of copper rollers during printing, modern application of liquid chlorine assistants in kier boil, old and new methods in printing textiles, relative merits of open and closed systems for coloring of loose wool and lime boil versus caustic boil.

## LOGWOOD EXPORTS IN OCTOBER 194,405 LBS.

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., November 27—Domestic exports of logwood extract for October amounted to 194,405 pounds valued at \$21,326, according to the Department of Commerce. Other dye extracts exported during October totalled 139,681 pounds valued at \$22,157 and exports of crude dyeing and tanning materials for the same month totalled 594 tons valued at \$10,523. October exports of chestnut tanning extract amounted to 668,607 pounds valued at \$16,475 and exports of other tanning extracts for the same month amounted to 1,945,314 pounds valued at \$90,910.

## CHEMICAL EXPORTS INCREASED 5% IN OCT.

Compared to October, 1924—Imports Up 6% Over Same Month Last Year—Drop in Coal-Tar Products Imports—Naval Store Values Higher

Washington, D. C., Dec. 2—The chemical foreign trade for the month of October, 1925 showed a small advance, the exports having risen 5 per cent from \$13,390,000 in October 1924, to \$14,099,000 in October, 1925, and the imports, 6 per cent from \$14,982,000 to \$15,913,000. Several of the groups recorded smaller trade during the current October than during the previous October. The falling off in the exports for some of these groups was due more to the size of the shipments in October, 1924, rather than to any marked decline in this October's trade which was actually in excess of many of the preceding months. October, 1924's, trade was the peak of the entire year. During October, 1925, there were three noticeable shifts in the trade, says the Chemical Division of the Department of Commerce. One of the most striking changes occurred in the coal-tar products group, exports of which declined 6 per cent from \$752,000 in October, 1924 to \$706,000 in October, 1925, and imports 34 per cent from \$1,376,400 to \$906,300. Both the imports and the exports were the smallest for over a year with imports \$200,000 in excess of the exports.

The sharp drop in the two leading classes,—creosote oil and coal-tar dyes,—which two classes represented 80 per cent of the total imports, accounted for the big decrease of 34% in the imports as compared with the preceding October. Receipts of dead or creosote oil fell from 5,056,500 gallons, valued at \$645,700 in October, 1924, to 2,776,200 gallons, valued at \$344,700 in October, 1925, while those of dyes declined from 426,800 pounds, worth \$631,900 to 367,000 pounds, worth \$383,100. In contrast to the marked decrease in imports, exports were but 6 per cent less than the preceding October. The loss is explainable for the most part by a lower valuation as in many of the classes larger quantities were actually sent abroad. For example, exports of dyes rose from 1,079,900 pounds in October, 1924 to 1,717,800 pounds in October, 1925 while the values fell from \$538,100 to \$466,900.

The advance of 20 per cent in exports of naval stores, gums, and resins, from \$2,907,000 in October, 1924 to \$3,476,600 in October, 1925 was due chiefly to the increased valuation when shipments of rosin, one of the main commodities, declined in quantities sent abroad from 148,400 barrels in October 1924 to 92,900 barrels in October, 1923, while values advanced from \$1,529,300 to \$2,084,500. During the current October, foreign sales of spirits of turpentine were under those of the preceding October and amounted to 1,173,300 gallons, valued at \$1,249,500.

Sixty-one per cent of the total imports of gums, resins, and balsams, which group recorded an improvement of 10 per cent and equalled \$2,570,600, was comprised of varnish gums, quantities of which rose from 5,943,300 pounds, to 6,317,000 pounds, while values decreased from \$1,744,500 to \$1,577,300. But 2-3 as much, or 1,973,300 pounds, valued at \$906,500 of shellac entered the United States this October as last.

Imports of indigo into China during the first six months of the current year, were good but prices were not up to expectations, according to the Shanghai Capital and Trade. Practically all the 50 and 60 per cent came from Germany, Holland and Belgium, with United States measuring favorably with these countries in the 20 per cent.



# The Oil Market

Current Spot Quotations on Oils, Greases, pages 1564-1565

## RAPESEED OIL, STEARINE AND TALLOW UP

Strong Situation Continues in Vegetable Oils—Soya Bean Higher—Chinawood Oil Easier—Edible Prime Lard Down—Oleo Oil Lower—Greases Firmer—Demand Remains Heavy for Animal Products—Fish Oil Prices Unchanged

### PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced		Declined	
Grease, House, $\frac{1}{4}$ lb.	Stearine, Oleo, $\frac{1}{4}$ lb		
Rapeseed Oil, 1c gal	Tallow, $\frac{1}{4}$ lb.		
Soya Bean Oil, Tanks	Pac.		
coast, $\frac{1}{4}$ lb.			
Chinawood Oil, Tks., Pac.	Cst., Oleo Oil, No. 1, $\frac{1}{4}$ lb.		
$\frac{1}{4}$ lb.	Oleo Oil, No. 2, $\frac{1}{4}$ lb.		
Lard Oil, Edible Prime, $\frac{1}{4}$ lb.			

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F. ....gal.	\$.64	\$.64	\$.61	\$.62	\$1.26	\$.26 $\frac{1}{2}$
Degras, Americas, bbl.f.b.	.04 $\frac{3}{4}$	.04 $\frac{3}{4}$	.04 $\frac{3}{4}$	.04 $\frac{3}{4}$	.23	.03 $\frac{1}{2}$
Lard No 1 .....gal.	.96 $\frac{1}{4}$	.96 $\frac{1}{4}$	.91	.98	2.90	.92
Menhaden, crd tks ...gal.	.55	.55	.52	.57 $\frac{1}{2}$	1.20	.33
Neatsfoot, 20 deg c.t. gal.	1.27 $\frac{3}{4}$	1.27 $\frac{3}{4}$	1.24	1.35	8.45	.95
Red Oil, distilled .....lb.	.11 $\frac{3}{4}$	.11 $\frac{3}{4}$	.11 $\frac{3}{4}$	.10 $\frac{3}{4}$	.17	.07
Stearic, Acid, T P .....lb.	.18	.18	.18	.14	.33	.12
Coconut, Ceylon, Tks. lb.	.12 $\frac{1}{2}$	.12 $\frac{1}{2}$	.12 $\frac{1}{2}$	.11 $\frac{3}{4}$	.30	.14
Cottonseed crude, tks. lb.	.09	.09	.08 $\frac{1}{2}$	.09 $\frac{1}{2}$	.25	.08
Linseed, crude .....gal.	.96	.96	.96 $\frac{1}{4}$	1.06	1.85	.57
Olive, denatured .....gal.	1.23	1.23	1.30	1.30	4.50	1.05
Peanut, refined .....lb.	.15	.15	.15	.17	.30	.08
Soya Bean bbls .....lb.	.13 $\frac{3}{4}$	.13 $\frac{3}{4}$	.13 $\frac{3}{4}$	.14	.19 $\frac{1}{4}$	.07
Average .....	4.95	4.95	4.85	5.08	5.92	1.56

Vegetable oil market remains in a very firm condition and consumers are still forced to bid for supplies. A continuance of this condition appears more than probable for the whole of December. Coconut oil quotations remain nominal since there have been no arrivals to relieve the scarcity, and no easiness is likely until well into the first quarter of next year. Palm kernel oil prices are very firm. Rapeseed oil is higher on spot due to low-priced sellers being in possession of decreased supplies. Linseed oil is dull as crushers are not attempting to convince consumers to cover requirements for next year until after the final reports on Argentine seed receipts are known when shipping is closed. Chinawood oil is slightly easier although no weakness is apparent in the situation.

Tallow advanced further during the week. Animal oil prices were maintained at unchanged figures with the exception of edible prime lard oil and the various grades of oleo oils which are lower. Quotations on greases showed but little variation. Fish oil prices are being maintained at unchanged figures in all instances.

### Vegetable Oils

**Castor Oil**—Demand continues of small proportions, and, although quotations show no change, shading continues to be reported on fair-sized orders.

**Chinawood Oil**—Slightly easier condition reported by importers, and quotations on tanks at Pacific Coast are lower at 11 $\frac{3}{4}$ c@11 $\frac{7}{8}$ c lb. Spot tanks are steady at 12 $\frac{1}{2}$ c@12 $\frac{3}{4}$ c lb; and barrels are unchanged at 13 $\frac{1}{2}$ c lb.

**Coconut Oil**—Situation showed no change over the week and no arrivals were reported. Quotations on all grades remain nominal although occasionally some small lots are being found at premium prices. No easi-

ness is likely in the situation until well into the first quarter of next year as supplies up to that time are not expected to more than fill contract requirements.

**Corn Oil**—Market for crude and refined oils is being maintained at firm unchanged prices.

**Cottonseed Oil**—Buying of crude oil is at a standstill and quotations are nominal at 9c lb. Prime summer yellow oil is higher with spot bid at 10.65c lb. Market opened this week as follows: Dec. sold at 10.43c lb; Jan. sold at 10 $\frac{1}{4}$ c lb; Feb. bid 10.2c, asked 10.3c; March sold at 10.23@10.25c; April bid 10 $\frac{1}{4}$ c, asked 10.33c; May sold at 10.35c@10.34c; June bid 10.4c, asked 10.45c; July bid 10.4c, asked 10.55c.

**Linseed Oil**—Market remained quiet but steady throughout the week. Quotations from crushers are unchanged at 12.8c lb for carlots of barrels on spot or for Dec.-Feb. shipment. Tanks are offered at 12c lb. Crushers are not advising consumers to cover requirements for the first half of next year until after the reports of the Argentine crop following the closing of shipping. Seed markets showed slight downward movements, and opening quotations were: Winnipeg Dec. \$2.25; May \$2.33; Duluth Dec. \$2.50; May \$2.60; Minneapolis Dec. \$2.50; May \$2.61; Buenos Aires Dec. \$1.89 $\frac{3}{4}$ . London quotes oil at 36s 9d; and Antwerp names 390f.

**Olive Oil**—Demand is of large proportions and holders of stocks quote firm unchanged prices.

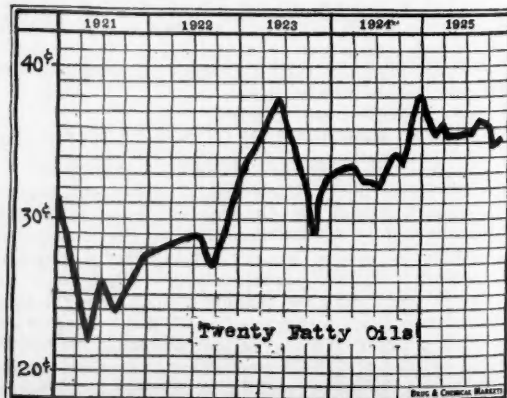
**Olive Oil Foots** Market very firm at recent advance in all directions.

**Palm Oil**—Quotations on both Lagos and Niger oils are firm and unchanged in all quarters.

**Palm Kernel Oil**—Situation is very strong but prices have shown no change and casks are available at 10 $\frac{5}{8}$ c@10 $\frac{3}{4}$ c lb.

**Rapeseed Oil**—Firmer conditions prevailed over the week and spot goods are not obtainable under 93c@95c gal.

**Soya Bean Oil**—Tanks on Pacific Coast are slightly higher at 10 $\frac{3}{4}$ c@10 $\frac{7}{8}$ c lb. Tanks at New York are nominal at 12 $\frac{1}{2}$ c lb, and spot barrels are offered at 14 $\frac{1}{4}$ c@14 $\frac{1}{2}$ c lb.





### Animal Oils

**Greases**—Choice white is firmer at 12c@12½c lb. Yellow is stronger at 9c@9¼c lb. House is higher at 9½c lb. Brown is unchanged at 8¾c@9c lb.

**Lard Oil**—Edible prime is lower at 18¾c lb. Quotations on other grades continue at recent figures and makers report a ready outlet for all offerings.

**Oleo Oil**—Makers offer No. 1 at lower prices of 13¾c lb; No. 2 has also been shaded and is named at 12¾c lb; No. 3 is unchanged at 11c lb.

**Stearine Oleo**—Market very firm and makers have advanced their prices to 14½c lb due to a heavy request for supplies.

**Tallow**—City extra has advanced further and nothing is obtainable under 10¾c lb. Edible remains firm at 11½c lb.

### ESTIMATE FLAXSEED CROP AT 75,000,000 BU.

Washington, D. C., Dec. 2—A substantial increase in the world flaxseed crop this year is indicated by the preliminary estimate of 75,000,000 bushels, or 67 per cent more than last year, for Argentina, the result of increased yields, as reported to the United States Department of Agriculture by the International Institute of Agriculture at Rome. The flaxseed production in ten countries, excluding India and Russia, is reported to aggregate 110,000,000 bushels compared with 89,000,000 bushels for the same countries last year.

The United States crop is estimated at 22,332,000 bushels compared with 30,173,000 bushels last year, the reduction being caused chiefly by a decreased per acre yield. Flaxseed consumption in the United States reached a new high level for the year ending September 30, 1925, because of continued building and painting activity. Crushing of domestic and imported seed totaled 41,000,000 bushels of which 12,252,000 bushels were imported.

### OUTPUT OF COTTONSEED OIL LARGER

Cottonseed crushed in the three-month period, Aug. 1 to Oct. 31, totaled 1,408,875 tons, compared with 1,096,240 for the same period last year, and cottonseed on hand at mills Oct. 31 totaled 1,270,770 tons, compared with 873,368 a year ago, according to the Census Bureau.

Cottonseed products manufactured in the three-month period and on hand Oct. 31 were: Crude oil produced 409,351,370 pounds, compared with 323,820,140, and on hand 91,976,153 pounds, compared with 83,496,791. Refined oil produced 291,902,829 pounds, compared with 226,682,990, and on hand 77,663,761 pounds, compared with 73,558,505.

Exports of cottonseed products in the three-months period were: Crude oil, 5,605,844 pounds, compared with 1,270,505; refined oil, 8,388,944 pounds, compared with 3,172,706.

A complaint has been filed in the Justice Court at Monterey, Cal., against Frank Raiter of the San Xavier Fish Packing Co., for alleged violation of the fertilizer law, the complaint having been lodged by Ernest C. Bolte, inspector of the division of chemistry, operating under the direction of G. H. Hecke, director of the State Department of Agriculture. The charge is that the packer permitted the sale of fish meal for fertilizer without obtaining a license from the department and without labeling the product as to its chemical analysis.

Edward La Belle, chemist for the El Dorado Oil Works, San Francisco, is in Manila in the interests of this concern and plans to remain a year and a half.

Gold Dust Corp., New York, has bought the Dalley Corp. Buffalo, manufacturers of shoe polishes.

### SPANISH OLIVE CROP IS PROMISING

Outlook Not So Favorable in Italy or France—Algeria Crop Good

Washington, D. C., Nov. 25—Reports indicate a promising crop of olives in Spain for crushing purposes, says Consul Frank Henry, Barcelona. The small percentage of the crop composed of the two varieties used for curing which was picked by the end of September, was not large nor of excellent quality. The 1925 crop of Queen olives, a large variety usually used green, is said to be small, but about equal to that of last year. On the other hand the manzinella crop, a small variety used green for stuffed olives is said to be so large that the entire crop cannot be cured and is being left to ripen on the trees for oil, writes Consul Burdett.

Olive production in Italy, the second largest producer, is expected to be less than last year's crop of 1,494,800 short tons, and also below average, according to the International Institute of Agriculture. The average production for 1914-23 was 1,326,200 short tons. Lack of rain and attacks of weevil have resulted in a considerable number of olives falling. Consul J. B. Jackson at Leghorn, states that the weather in Tuscany, one of the important olive producing regions of Italy was favorable up to October, but that in some of the provinces of the district the yield will be of inferior quality because of olive scales.

The oil production of France, as reported by the International Institute, is below even the small crop of 1924, amounting to only 15,000,000 pounds (2,000,000 gallons) compared with last year's production of 18,000,000 pounds (2,400,000 gallons). The reduction was due to the unfavorable weather during the growing season. In the principal olive growing departments (Alps Maritimes, Var, Bouches-du-Rhone, Vaucluse, Covse etc.) the crop is distinctly below average. Only in Gard where table varieties are grown, is a good harvest expected. Consul Davis at Paris, also reports a small French olive crop.

In Algeria, where rainy weather has favored the growth of the fruit, the yield will be generally satisfactory. Oil production in Tunis is estimated at 63,930,000 pounds (8,524,000 gallons) against 48,500,000 pounds (6,467,000 gallons) in 1924 and 1919-23 average of 59,745,000 pounds (7,966,000 gallons), according to Consul Leland Smith. First estimates were unfavorable because of the lateness of the rains, but a cool summer helped greatly and growers now state that in the event of early and important rains the crop will be a bumper. At any rate better than average production is assured and the quality should be excellent.

E. H. Glidden Co., Cleveland, O., manufacturers of paints and varnishes, has purchased a forty-acre tract from Chemical Extraction Co. at Oakland, Cal. Under the direction of J. W. Bland, vice-president and general manager in charge of the Pacific Coast interests of the Glidden company, improvements costing \$250,000 will be made at once. The Pacific Coast headquarters are at San Francisco.

Attilio Manzone, representing the Pelican Works, of Hanover, Germany, was a visitor at San Francisco late in November and announced that this concern, which manufactures artists' colors and materials, is planning to establish a branch plant in the United States.

Fire which broke out on the night of November 24 in the paint, oil, turpentine and varnish stocks of the M. & S. Hardware Company, Inc., in the basement of 425 North Eutaw st., Baltimore, caused a damage estimated at \$10,000.

## Miscellaneous Raw Materials

Heavy Chemicals 1546-1564, Tan and Dyestuff 1546-1564, Fatty Oils 1564-1665

### LOWER GRADE ROSINS DOWN SHARPLY

**Finer Grades Steady, Turpentine Continues to Decline—Phosphate Rock Higher—Tankage, Blood and Fish Scrap Lower—Strength in All Metals Except Copper and Lead—Market Shows Little Change**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Phosphate Rock, 15c ton	Tin, $\frac{3}{4}$ c lb.
Rosin: M, 10c 280lb.	Zinc, 5c 100lb.
Declined	
Blood, So. Amer., 10c unit	Rosins: B, D, E, F, G, H, I, \$1.
Copper, $\frac{1}{4}$ c lb	280 lb.
Fish scrap, 25c unit	Tankage, Chi., 25c unit,
Lead, $\frac{1}{4}$ c lb.	So. American, 10c unit
	Turpentine, $\frac{1}{4}$ c gal.

The industries which use chemicals in their manufacturing processes showed little change in their activity during the week. The rubber, paper, glass and lacquer trades continue to be very active and are buying in constant quantities of their raw materials, few of which show any price or positional changes. The textile and leather trades are quiet, despite some recent indications of awakening interest, and prices for materials used by them are generally at low ebb. Fertilizer manufacturers are quiet in a between season period and buying from them is very light, with the result that a number of items used in their processes are weak on the market. Such is not the case, however, with phosphate rock, for which there is a constant demand which producers have some difficulty in meeting. These prices are higher. The lower grades of rosins suffered a sharp reaction from their recent stellar ascension and prices dropped considerably, although the finer grades show little change. Copper and lead are lower, with tin and zinc higher and antimony firm at former prices.

### ACCELERATORS

Prices remain firm and unchanged on the entire list of accelerators due to consumption and production being well-balanced with all makers. Diphenyl-guanidine is offered at 95c@98c lb; hexamethylene at 80c@82 $\frac{1}{2}$ c lb; triphenyl-guanidine at 69c@73c lb; and ethylidene aniline at 62c@65c lb.

### ALBUMENS

This situation shows no change as to market conditions or to prices. Blood and egg albumens remain in easy demand with stocks not very excessive, and prices steady. Demand for vegetable is reported as active at unchanged prices. Egg yolk is very firm with none offering from China. Prices unchanged.

### CLAYS AND FILLERS

Conditions prevailing in this market are as they have been for some time, and there seems little likelihood of change. Contract shipments of clay, barytes, blanc fixe, whiting and talc, are moving regularly and spot business is also of fair proportions at contract prices. Some contracts are now being placed for next year's business and indications point to normal trade next year.

INDUSTRIAL CHEMICAL SECTION

### COLORS AND PIGMENTS

Market for chrome yellows is in slightly better condition as regards spot prices due to makers being unwilling to go to bottom except on contracts. Quotations are given at 18c@19c lb. Chrome greens are firm and unchanged at 26c@36c lb. Iron blues continue to move in large volume at 31c@33c lb. English vermilion is firm at \$1.50@\$1.55 lb. Lithol-toner and para-toner are unchanged at 85c lb; and toluidine-toner is offered at \$1.80@\$1.85 lb.

### DYE AND TAN WOODS

Little change of significance is seen in this market. Sicilian sumac is weak at \$110@\$112 ton with prospects of lower prices prevailing by the end of this week, due to poor buying on the part of consumers. Divi divi, myrobalans, valonia, wattle and logwood are unchanged at recent quotations.

### EXTRACTS

This market shows no change with demand principally routine and most of the prices at low levels. Demand is of fair proportions for archil, cutch and fustic, with a routine movement reported for chestnut, oak, myrobalans and gambier. Logwood is firm, due to strength of the sticks, but activity is limited. Osage Orange is quiet.

### FERTILIZERS

Buying in this line continues extremely quiet and new developments are comparatively few. South American tankage and blood are both lower at \$4.15 unit, with western tankage down to \$3.25 and 10c. Fish scrap is practically a dead item with prices lower at \$4.00 and 10c at fish factory. The December schedule now prevails for sodium nitrate, making the current price, \$2.63 100 lb. Ammonium sulfate, potash salts and cyanamid are unchanged. Phosphate rock continues in good demand with higher prices appearing. Florida pebble is now up to \$2.75@\$3.00 ton for the 68%, \$3.00@\$3.25 for 70%, \$3.75@\$4.00 for 72%, and \$4.25@\$4.50 for the 75-74%.

### INSECTICIDES AND FUNGICIDES

Buying continues practically at a standstill in all directions and nominal quotations from makers show no change on any product. Occasional lots of calcium arsenate are reported to have been sold by makers at 6 $\frac{1}{4}$ c@6 $\frac{1}{2}$ c lb; and it appears that as low as 5c lb is possible in the South.

### METALS

Antimony held firm over the week and is still quoted at unchanged prices of 19 $\frac{1}{2}$ c@20c lb. Copper weakened further and offerings are made at 14 $\frac{3}{4}$ c@14 $\frac{1}{2}$ c lb for Lake, and 14 $\frac{1}{4}$ c@14 $\frac{3}{4}$ c lb for electrolytic. Lead is lower from leading smelters at 9 $\frac{1}{2}$ c lb at New York, but East St. Louis quotations are unchanged at 9 $\frac{1}{2}$ c lb. Silver is steady at 69 $\frac{1}{4}$ c oz. Tin has recovered and is firm at 64c lb. Zinc is stronger at 9.10c@9.15c lb at New York, and 8 $\frac{3}{4}$ c lb at East St. Louis.

### NAVAL STORES

Rosins—Common and medium grades broke sharply during the week, following like declines in primary markets. Holders of spot goods quote as follows: B,

D, E, F, G, H, I, \$14.50 280 lb; K \$15.50; M \$15.60; N \$16.10; WG \$16.40; WW \$16.50.

**Turpentine**—Market continues to decline on spot following the weakness in primary markets. Offerings are made at \$1.08@ \$1.11 gal. as to quantity.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Nov. 28—Turpentine is lower at \$1.02 but is firm at that price. Daily orders have been less than receipts, and this has caused buyers to withhold. Further declines are forecast in the coming week. It appears that the present is a good time to take on supplies, since soon as receipts are cut in half the price will undoubtedly advance. Receipts for week totaled 1,253 bbls.; stocks on hand total 11,658 bbls.

Rosin prices have declined rather abruptly on medium and commons, while fine grades show no change. Market is quiet and 2,611 bbls. are unsold. This is the first time in some months that buyers have held off bidding. This is because they see a chance of cheaper rosin due to the heavier receipts from the scrape crop. Further declines appear likely. Quotations are: B, D, E, F, G, H, I, \$13.50; K \$14.00; M \$14.10; N \$14.60; WG \$14.90; WW, X \$15.10. Receipts for week totaled 10,300 bbls.; stocks on hand are 86,303 bbls.

Jacksonville, Fla., Nov. 28—Turpentine closed quiet at a decline to \$1.02. Offerings of 476 bbls. were unsold. Rosins closed dull at following prices: B, D, E, F, G, H, I, K, M, \$14.00; N \$14.60; WG \$14.90; WW, X, \$15.10. There have been no bids for the past two days, and 2,500 bbls. are left unsold. Stocks of turpentine total 22,012 bbls.; and rosins 84,076 bbls.

### STARCHES, DEXTRINS AND SIZES

There has been no change in any of the items in this group, with routine demand in evidence. Prices are steady, with amber sorts, glues and gelatins firm, casein quiet, and some unsteadiness evident in dextrin, British gum, corn syrup and sugar, and starches.

### BRITAIN IMPORTS LESS FERTILIZER

British imports of raw guano in the first nine months of 1925 decreased to 4,348 tons (of 2,240 pounds), valued at £44,133, contrasted with 12,387 tons (£123,943) a year ago. In phosphate of lime and rock phosphate imports there was a decline to 228,874 tons from 243,983 tons. Imports of lime phosphate and rock phosphate have recorded a steady fall since 1923, says Alfred Nutting of the American Consulate, London.

Receipts this year of nitrate of soda totaled 65,027 tons (£824,081), showing a slight decrease compared with 1924, when 67,921 tons (£887,829) were imported. Re-exports decreased to 1,116 tons (£14,676) against 4,920 tons (£65,329).

Of British exports, sulfate of ammonia occupies chief importance, and of this 197,298 tons (£2,492,742) were shipped abroad this year, against 201,017 tons (£2,717,848) a year ago.

A method of distinguishing cotton and linen threads is described by W. Dickinson in the "Analyst," as follows: Samples of pure cotton were stained with silver nitrate and cleared with dilute nitric acid. Under the microscope with polarized light, these appeared bright, and showed all the characteristics of cotton fibers. Samples of linen, on the other hand, retained their dark silver stain even after clearing, and when viewed under the microscope appeared practically black, and were invisible by polarized light. By turning the cross nicols attached to the substage of the microscope one can cut out the linen or cotton at will.

### FRENCH PHOSPHATE OUTPUT GROWS

#### Tonnage Consumption Greater Than All Other Fertilizers Combined

The superphosphate industry in France is showing a steady increase in annual production, according to Trade Commissioner Daniel J. Reagan, Paris, who gives the following figures:

French production, foreign trade and consumption of superphosphates for 1913, and 1922-1924, in tons:

Years	Production	Import	Export	Available for consumption
1913	1,979,284	100,822	145,228	1,934,878
1922	1,952,838	39,151	77,044	1,836,643
1923	2,215,136	66,773	129,102	2,152,807
1924	2,302,100	30,783	228,431	2,104,452

While the consumption of superphosphates in France has also increased during recent years compared with 1913, this rate of increase has not been as large as that of the production. Despite this lag in the consumption within France, the production has been able to advance by effecting a growing increase in the exports of this product.

For many years, superphosphates have been the most important fertilizer used in France, the tonnage consumed representing about half of that of all the fertilizers employed, and at the present time exceeding that quota. Out of a total of approximately 4,000,000 tons of various fertilizers consumed in 1924, the farmers purchased over 2,000,000 tons of superphosphates which supplied close to 80 per cent of the 385,000 tons of the phosphoric acid applied to French soil during 1924, with 95,000 tons of potash, and 90,000 tons of nitrogen.

The manufacture of superphosphates in France necessarily requires large quantities of phosphate of lime and sulfuric acid. For the production of 1,800 kilos of superphosphate, this industry employs one ton of phosphate and one ton of sulfuric acid. In 1924, imports into France of natural phosphates amounted to 1,330,000 tons, of which 957,000 tons were from Tunis, 252,000 tons from Algeria, 106,000 tons from Morocco, and 9,500 tons from United States.

### ROSIN AT 320 FRANCS IN BORDEAUX

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 2—The Chemical Division of the Bureau of Foreign and Domestic Commerce is in receipt of cabled advice from Bordeaux, to the effect that water white rosin was quoted at francs 320 and turpentine at francs 840 per 100 kilograms on November 21. At the prevailing rate of exchange these prices are equivalent to about \$13.53 per 280 lbs. for rosin, and \$1.07 per gallon for turpentine. Stocks of naval stores at stills reported rather reduced and mostly from winter scrape crop.

### ROSIN EXPORT VALUES REMAIN HIGH

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 2—Domestic exports of naval stores, gums and resins for the month of October were valued at \$3,476,656 as compared with \$2,907,110 for the same month of last year while the value of exports for the ten months ending October of this year were valued at \$28,022,661 as compared with \$21,556,025 for the same ten months of last year according to the Department of Commerce.

Hercules Powder Co., have been awarded a government contract for 100,000 pounds spent acid at 2.87c.

INDUSTRIAL CHEMICAL SECTION



## FORMIC ACID AS A RUBBER COAGULENT

(Special to DRUG & CHEMICAL MARKETS)

Batavia, Java, Oct. 31—The cost of manufacture of Para rubber crepe and sheets has been reduced by using formic acid instead of acetic acid and already several rubber estates in the Dutch East Indies have adopted the use of formic acid as a coagulant for latex. As a rule, the quantity of formic acid required is half of the quantity of acetic acid, and whereas the price of both are about the same, it is obvious that by using formic acid expenses for the coagulating process are likewise reduced by nearly 50 per cent. It is advisable to add to the latex an equal quantity of the diluted acid as in the process of coagulating by means of acetic acid; however, in the case of formic acid this should be twice as much diluted. The length of time required for drying crepe rubber and smoking sheet rubber is unmodified when using either formic acid or acetic acid, neither was it possible to observe any difference as to liability to mouldiness. Sole crepe prepared with formic acid or acetic acid shows entirely the same properties as to color and hardness.

The investigations of the Central Rubber Station in this colony have further ascertained that by adopting formic acid, the time of vulcanizing, tensile strength and slope remain practically unchanged; the plasticity is slightly increased which can only be qualified as a change for the better. Mixtures prepared with acetic acid and formic acid neither showed any difference. The durability of the rubber proved to be the same in vulcanized or unvulcanized condition.

There appears to be no objection whatever in substituting acetic acid by formic acid, and that on the contrary it means an economy of no little importance. As a result of mutual arrangement between the different experimental stations in the Indies, the necessary requirements of formic acid are temporarily formulated as follows: (a) Content 85 per cent or more. Formic acid with a lower percentage may eventually be accepted with a pro rata refraction with a limit of 80 per cent when analyzed. (b) Formic acid may not contain any formaldehyde or other injurious substances.

Deposits of sodium sulfate at Ingerbrite Lake, 40 miles north of Hatton on the Canadian Pacific Railway, are estimated at 25,000,000 tons by Canadian Government officials. At Frederick Lake, south of Moose Jaw, a process of dehydration has been successfully put in operation and shipments are being made to Eastern Canada and the United States. Another deposit at Mushkiki Lake, 3 miles north of Dana on the Canadian National Railways is also being developed. The product is in demand for the manufacture of wood pulp by the sulfate process.

United States Color & Chemical Co., Inc., Boston, reports a surplus of \$8,420 as of Dec. 31 last in a statement recently issued. Assets include accounts receivable \$33,739, notes receivable \$160,394, securities \$305,117, advances \$15,506, cash \$11,704, merchandise \$44,211. Notes payable are \$127,809 and accounts payable are \$26,777. Acceptance are carried at \$24,745. Company is capitalized at \$500,000.

In its latest statement on New England business conditions, the First National Bank of Boston notes that the shoe industry is showing steady improvement. September output was 4.5 per cent above the output in the previous month and 7 per cent ahead of a year ago. Although trading in leather has subsided of late, stocks in tanners' hands are only moderate.

INDUSTRIAL CHEMICAL SECTION

## INCREASE IN WATERPROOF BAGS USED FOR DRY CHEMICAL SHIPPING

**Jute Bag With Two Inside Layers of Kraft Paper and Coating of Asphalt Between Layers—Will Withstand Rough Usage in Handling and Shipping, Says Maker—Low Initial Cost**

Some shippers in the dry chemical industries, of late, have adopted a new method of packing and shipping in waterproof bags in place of boxes, barrels or drums. According to some of the firms that have conducted comparative tests, the use of bags results in savings as high as fifty per cent, and in the elimination of certain practices that have long been borne as necessary evils, says the Bemis Bros. Bag Co. of St. Louis. The new style container is a heavy jute bag, with two inside liners of heavy kraft paper and a coating of asphalt cement between each layer, applied hot in order to make the whole fabric waterproof, siftproof and airtight. This construction has been found to withstand the rigors of handling and shipping. The bags are closed at the top with a simple wire tie that is quickly fastened.

One of the most important advantages possessed by waterproof bags is their low initial cost. Less money is tied up in containers. There is a similar saving in tare weight that not only facilitates handling but may result in a notable reduction in freight and haulage charges. Where storage space is at a premium, a further argument in favor of bags is seen. They are shipped in compact bales, so that two hundred or even more "empties" occupy no more space than one empty barrel.

While labor requirements and costs naturally vary, one man can do the work of two, and sometimes of three, in the various operations of filling, closing, stacking, loading or unloading where packing is done in convenient sized bags, the maker continues. Certain re-sale advantages have come to light also, as a result of investigations. The users of dry chemicals can open and close the bag at will, because of its wire fastening, without exposing the remaining contents to the danger of deterioration. From an advertising standpoint, the new waterproof container is superior to those previously in use. Being of textile construction, the producer's brand, name and address can be printed directly upon the bag in bright colors and attractive designs.

The general strike declared in the spheres of foreign influence last summer, found 2,000,000 eggs in Nanking ready for export for the albumen and yolk markets. The coolies went out in the general strike, refusing to handle the eggs. Needless to say, the coolies as well as all other inhabitants of Nanking and those who passed by on the river, regretted this action long ere the summer was over.

California Safety Powder Co. has purchased a fifty-acre tract of land at Benicia, Cal., and will commence work at once on the erection of a plant. The officers of the company are Capt. G. H. Boucher, Seattle, Wash., president; Dr. A. D. Andrews, vice-president and manager, and Frank C. Jordan, of Sacramento, Cal., secretary and treasurer.

The California State Bureau of Mines reports that the production of magnesite in the state for 1924 amounted to 67,236 tons of crude ore, valued at \$900,183. Most of it was marketed in the calcined form. The most important producers are Red Mountain mines in Santa Clara County, and Sierra Magnesite Company's group in Tulare County.



# SHARP DROP IN ESSENTIAL OIL EXPORTS

**Quantities Went 42 Per Cent Lower in October This Year Against Same Month in 1924—Values Down Only 4 Per Cent—Larger Exports of American Toilet Goods and Reduced Imports**

Owing to the marked advance in prices of essential oils, the exports although having recorded a 42 per cent drop in quantity to 70,900 pounds, declined but 4 per cent in values to \$257,600, says the Chemical Division, Department of Commerce. The values of the imports of essential oils surpassed the values of the preceding October by 16 per cent and equalled \$616,700. Figures for some of the important import oils were: geranium oil, 40,000 pounds (\$124,600)—a figure considerably in excess of the average monthly importation—attar of roses, 25,100 ounces (50,000); citronella and lemongrass, 98,000 pounds (\$84,800); lavender 12,000 pounds (\$48,600), and lemon oil, 26,700 pounds (\$40,000).

Although the outgoing shipments of perfumery and toilet preparations amounting to \$780,700 for the current October were 9 per cent in excess of the previous October, the incoming shipments, which were only half as much as the outgoing, were 35 per cent less than the previous October. A higher export valuation for some of the commodities included under this heading likewise characterized this trade when larger values but smaller quantities were sent abroad. The exports for the month under discussion were as follows: perfumery and toilet waters, 40,000 pounds, \$44,000; talcum and other toilet powders, 298,100 pounds, \$207,500; creams, rouges and other cosmetics 272,700 pounds, \$153,300; dentifrices, 279,500 pounds, \$269,500; and all other toilet preparations, 137,300 pounds, \$106,500. The imports for the month were, 117,500 pounds, \$165,800, of perfumery, bay rum, and other toilet waters; 73,700 pounds, \$41,100 of cosmetics, powders, and creams; and \$127,600 worth of perfume materials.

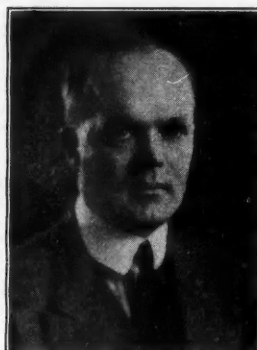
## CANADIAN CASCARA AVERAGED 13c LB.

The annual production of cascara bark in British Columbia is estimated at about 250 tons, which is exported to the United States, England, Germany, Japan, and Australia, says Consul Harold S. Tewell from Vancouver to the Department of Commerce. The tree grows wild in the lower Fraser River Valley and in the vicinity of the Campbell River. The British Columbian supply is said to be abundant. No investigation, however, appears to have been made to determine the quantity available, even though production elsewhere is gradually declining. The bark is collected by Japanese and Indians who receive from 5 to 6 cents a pound for it, stripped. No effort is made to preserve the tree and it usually dies. In 1924, 159,700 pounds of cascara bark were shipped to the United States, and in the first nine months of 1925, 91,605 pounds, valued at \$8,642. During the past eight years (1917-1924) 1,136,000 pounds have gone to the United States, at an average value of 13 cents a pound.

Methods of making plastic magnesia, used in stucco and composition flooring, from the magnesite deposits of the Western States have been developed as the result of an investigation conducted by the Bureau of Mines, Department of Commerce. The investigation also revealed that plastic magnesia of fair quality could be produced from dolomite, cheaply obtainable in the Eastern States. The experimental work of the Bureau of Mines was conducted with magnesite from Washington and California, with the view of aiding American producers in establishing a domestic industry to compete with material heretofore largely imported.

## MONSANTO PROMOTES E. A. JOHNSON

E. A. Johnson, for the past two years in charge of



the New York office of the Monsanto Chemical Works, will go to the main office of the company in charge of general sales of intermediates, heavy chemicals and acids on Dec. 7. Victor E. Williams, who has been assistant manager in New York for the past year, will have charge of this branch. Mr. Johnson succeeds Mark Bradley who recently resigned to join the General Chemical Co. Mr. Johnson, president of the Salesmen's Association for 1925-26, has tendered his resignation to

the Executive Committee. Prior to his joining Monsanto, he was for four years with the National Aniline & Chemical Co.

Philadelphia Quartermaster's Intermediate Depot of the Army has awarded to the Hinkel & Ewing Manufacturing Co., Philadelphia, a contract for supplying 10,000 pounds of flake naphthalene in barrels at 5.45 cents per pound, less one per cent 10 days. The bid was the lowest submitted. Other bidders and their prices per pound quoted were: Barrett Co., New York, 7½ cents net; White Tar Company of New Jersey, Inc., New York, 8 cents net; A. Baigger & Co., Chicago, 6½ cents per pound, less one per cent 10 days; Pacific Chemical Co., New York City, 5.425 cents net; Leon Hirsh & Son, New York, 7½ cents, less one per cent 10 days; Explosive Chemical Co., New York, 6.7 cents, less one per cent 10 days; Shoemaker & Busch, Inc., Philadelphia, 6.15 cents, net; Innes & Stiden Co., New York, 5.625 cents, less 1 per cent 10 days.

In spite of the marked slump that occurred in prices of textile stocks at the public auctions in Boston last week, the Amoskeag Manufacturing Co. at Manchester, N. H., is starting a night shift to take care of increased orders. The increased demand runs very largely to rayon fabrics. The decline in prices on the textile stocks was the most spectacular for a long time and made many wonder if the improvement recently talked about in textiles, has been exaggerated.

The following awards for chemicals have been made by the Marine Corps, Philadelphia: 30,000 cans concentrated lye at 5.72c to John T. Stanley Co., New York; 10,000 pounds naphthalene at 6.95c to James Good, Inc., Philadelphia; and 3,500 pounds castile soap at 13¼c to Windsor Soap Co., Buffalo.

Forrest Mercerizing Co., Philadelphia, will erect a new plant at Gloucester, N. J. It will be two stories in height. A new power house is also included in the project, the total cost of the construction to be \$125,000.

Viscose Co. is to erect a new rayon plant at Parkersburg, W. Va., according to plans prepared by the Ballinger Co., New York. About 3,000 employees will be required by the plant.

Great Western Sugar Co., Sugar Building, Denver, Colo., will build a new beet sugar mill in the vicinity of Gering, Neb., estimated to cost \$1,200,000.

Societe Alsacienne des Produits Chimiques of France has been licensed under German patents to manufacture tetraline.

# QUOTATIONS ON CHEMICAL STOCKS

Closing Prices For Week Ending Nov. 28, 1925

Bid	Asked	Bid	Asked
*Air Reduction .....111 1/2	113 1/2	Hercules Powder .....104	107
*Allied Chem D .....110 1/4	111	Hercules Powd., pf. ....110	110 1/2
*Allied C & D pf .....120 1/2	121	Hoyden Chem .....2 1/2	3
*Am Ag Ch .....26	26 1/2	Hooker Electro .....12	15
*Am Ag Ch pf .....74 1/2	75	Hooker Electro, pf. ....50	60
*Am Chicle .....48	53	*Household Prod ....45 1/2	46
*Am Chicle pf .....81	82 1/2	*Int Agricult .....21 1/2	21 3/4
*Am Cyan .....150	160	*Int Agricult pf .....75	85
*Am Cyan pf .....86	89	*Int Nickel .....45 1/2	46
*Am Druggists S .....4 1/2	4 3/4	*Int Nickel pf .....100	—
*Am Glue .....47	50	*Int Salt .....8	8 1/2
*Am Glue, pf. ....106	109	Lehn & Fink Prod Co .....39 3/4	39 3/4
*Am Linseed .....48	49	*Mathieson Alk .....88 1/2	89
*Am Linseed pf .....85 1/2	86	*Mathieson Alk pf .....100	100
*Am Metal .....53 1/2	53 3/4	MacAnd & Forbes .....168	166
*Am Metal pf .....115 1/4	118	MacAnd & Forbes, pf. ....100	103
*Am Zinc .....9 1/2	9 3/4	Merck & Co .....55	56 1/2
*Am Zinc pf .....36 1/2	37 1/2	Merrimac .....84	86
*Archer Dan Mid .....40	40 1/2	Mulford Co. ....30	33
*Atlas Powder .....101	104	*National Lead .....163 1/2	165
*Atlas Powder pf .....56 1/2	57	*National Lead pf. ....116 1/4	118
*By-Prod. Co. ....46	49	Niag. A., pf. ....80	85
*By-Prod. Co., pf. ....102	105	N. J. Zinc .....204	214
Canad. Ind., Al .....16 1/2	16 3/4	Parke, Davis & Co. ....113 1/2	115
Canad. Salt .....105	115	Penn Salt .....73	—
Casein Co. ....165	180	*People Gas Chi .....416 1/2	417
Celluloid Co. ....20 1/2	22	Proctor & Gamble .....135	135 1/2
Celluloid Co pf. ....73	77	Procter & Gam pf .....158	—
*Certain-tyed Prod .....50 1/2	51 1/4	Royal Bkg Pow pf. ....101	107
Charcoal Iron .....10	20	Royal Bkg Pow., pf. ....100	102
Ches Mfg .....70	72	Shawinigan .....160	—
Ches. Mfg. pf. ....113	—	Sherwin-Will 1st pf. ....106	—
Clark Co., Fred. ....2 1/2	4	*Sterling Prod .....76	76 1/2
Cleve. Cliffs Iron. ....70	75	Swan & Finch .....18	19
*Com solv A .....129	132	Swan & Finch, pf. ....15	22
Do B .....126	127 1/2	*Tenn C & Chem .....12	13
*Corn Products .....39 1/2	39 3/4	*Tex Gulf Sul .....114	114 1/2
*Corn Products pf. ....121	124	Union Carbide .....70 1/2	—
*Davison Chem .....41	41 1/2	*Un Drug .....149	150
*Davison Chem pf. ....37 1/2	38	*Un Drug 1st pf. ....55 1/2	56
Dow Ch., pf. ....98	102	*Un Dyewood .....10	14
Dow Drug Co. ....140	108	*Un Dyewood pf. ....51 1/2	60
Dow Drug Co., pf. ....102	102 1/2	Un Gas Imp .....115 1/4	—
*DuPont de Nem .....228 1/2	229	Un. Gas Imp. pf. ....58 1/2	—
Eastman Kodak .....111	111	U S Gypsum .....165	—
*Eastman Kodak pf. ....115 1/2	120	*U S Indus Al .....80	81
*Freeport Tex .....194 1/2	194 3/4	*U S Indus Al pf .....110	112 1/2
*Gen Asphalt .....57 1/2	58 1/2	Va Car Ch cfts .....2	2 1/2
*Gen Asphalt pf. ....96	99 1/2	*Va Car Ch pf .....164 1/2	18
*Gold Dust .....47	47 1/2	*V. Vivaudou .....21	21 1/2
Grasselli .....125	130	Will & Baumer .....12	14
Grasselli, pf. ....101	108		

\*Listed on New York Stock Exchange

FOREIGN EXCHANGE		Par	Current
Great Britain (pound Sterling) .....		\$4.866	\$4.84 5/16
France (franc) .....		.193	.039
Italy (lira) .....		.193	.040
Belgium (franc) .....		.198	.040
Czechoslovakia (crown) per hundred .....	20 30	2.967	
Denmark (krone) .....		.268	.248
Germany (mark) .....		.238	.238
Holland (florin) .....		.402	.402
Norway (krone) .....		.258	.203
Poland (zloty) .....		.193	.155
Spain (peseta) .....		.193	.142
Sweden (krone) .....		.268	.267
Switzerland (franc) .....		.193	.192
Argentina (peso) .....		.424	.413
Brazil (milreis) .....		.324	.143
Japan (yen) .....		.499	.433
India (rupee) .....		.483	.366
China (silver dollar, Hongkong) .....		.789	.580
Tael-Peking, silver) .....		1.146	.792
Tael-Shanghai, silver) .....		1.986	.756

Douglas-Pectin Co. has declared an extra dividend of 25 cents a share on the capital stock, in addition to the quarterly payment of 25 cents, both payable Dec. 31 to stockholders of record Dec. 1.

C. S. Warner & Co. have obtained a Delaware charter to engage in the manufacture of brushes. They are authorized to have a capital stock of \$60,000.

Union Carbide & Carbon Corp. declared the regular quarterly dividend of \$1.25, payable Jan. 1 to stock of record Dec. 4.

## New Incorporations

### In the Chemical, Drug, Oil Producing and Consuming Fields

National Baking Co., Wilmington, Del., \$53,000,000; 530,000 shares, of which 30,000 shares are preferred, \$100 each, amounting to \$3,000,000, and 500,000 common, no par. Representative, J. P. Lafey, Wilmington, Del.

Try-Me Bottling Co. of Washington, incorporated at Wilmington, Del., \$100,000. Non-alcoholic beverages Corporation Trust Co. of America

Schnabel Medicine Corp., New York City, 100 shares common stock, no par. R. W. Carillo, F. M. Rose, E. T. Coyle. Attorneys, Smith, Haggerty, King and Corcoran, 17 E. 42nd st.

United States Biscuit Co., New York, \$75,000,000. Total shares, 30,000 divided into 250,000 shares of Class A common stock, and 500,000 shares of Class B stock, no par. U. S. Corporation Co.

Vis Chemical Mfg. Co., Bloomfield, N. J., \$125,000. Harold Alvidan, Newark; Louis D. Grossman, Irvington, N. J.; Maurice R. Olinger, Hoboken. Attorney, William H. Rawson, Bloomfield.

Egyptian Soap Products Corp., Brooklyn, N. Y., \$30,000. H. R. Elias, B. Steinman, E. Perlmutter. Attorney, J. Kaplan, 261 Broadway, New York.

Crecent Pharmaceutical Co., Dover, Del., \$50,000. Perry W. McLaughlin, Philadelphia. Capital Trust Co. of Delaware.

### CANADIAN INCORPORATIONS

Velsacuta, Ltd., Toronto, Ont., \$120,000. Salves and vintments Frederick T. Congdon, Arthur A. MacDonald, Frank Denton.

Fox-y Magic Cleaners, Ltd., Windsor, Ont., \$50,000. Fred J. Fox, Effie M. Fox, A. J. Janisse.

Tanlac Co., Ltd., Montreal, Que., \$50,000. Medicines. Robert Gowan, Charles D. Magee, Ernest H. Stewart.

### GERMAN POTASH LOAN IS \$50,000,000

The German Potash Syndicate which has effected a loan of \$50,000,000 through the banking house of Schroeder & Co., London and New York, will register the loan as a mortgage on the several potash plants in the syndicate. A questionnaire was sent to members of the syndicate in order to learn the facts about existing mortgages and the amount of the new loan which each would need. The loan will mature in 25 years and the rate of interest is not to exceed 7 per cent.

The capital derived from the loan is to be used partly for current needs of the potash plants, and in part as a substitute for revolving credits used in the past, and in part also for the repayment of mortgages and other debts of the plants participating in the syndicate.

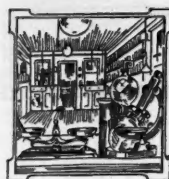
Three-year eight per cent bonds of Shasta Zinc & Copper Co., value \$10,000, were sold at auction last week by Adrian Muller & Son for \$10. Other sales included 360 shares Universal Sulphur Products Co., \$30; 300 shares Phosphate Mining Co., \$1 per share; 1,000 shares of Phosphate Mining Co., \$5 per share; 50 shares Chrome Products Co., \$6.

Vulcan Detinning Co. has declared a dividend of 2% on the preferred stock on account of back dividends, and the regular quarterly dividends of 1 1/4% on the preferred and preferred "A" stocks, all payable Jan. 20 to holders of record Jan. 9.

United Drug Co. declared regular quarterly dividend of 1 1/4% on the common, payable Mar. 1 to stock of record Feb. 15, and regular 1 1/4% on first preferred, payable Feb. 1 to stock of record Jan. 15.

Loeb Chemical Co. has been incorporated at Dover, Del., with a capital stock of \$100,000. It will have its headquarters for corporation purposes at Dover. The U. S. Corporation Co. is named as incorporator.

Allied Chemical & Dye Corp. declared regular quarterly dividend of 1 1/4% on the preferred, payable Jan. 2 to stock of record Dec. 15.



# Drug & Fine Chemical SECTION



## Expect Short Pepper Crop This Year

**Estimates for 1925 for Dutch East Indies Pepper Crop Placed at 175,000 Piculs, Against 350,000 Piculs Last Year—High Prices This Year Will Mean Almost As Large a Return to Growers as Last Year—Black Lampong Sold Up to Fl. 60 Picul in Java Market—No Plant Disease This Season**

(Special to DRUG & CHEMICAL MARKETS)

Buitenzorg, Java, Oct. 31—Contrary to former years, it is indeed possible this year to speak of a pepper market within the precincts of the country where the product is actually grown. Whereas originally, the pepper market was exclusively established at Batavia, now, due to the fact that several large exporting firms in Java have opened branch offices at Telok Betong and Tandjong Karang, the produce can change hands on the spot and be shipped directly to Europe and America. This season means drudgery from sunrise till long after sunset; in the domain of business every minute is grudged and no allowance made for a moment's respite, while the favorite motto of sugar factories during milling season "time is money" may also be applied here without exaggeration.

Already from the very beginning of the season all factors tended towards a marked increase in prices. Whereas last year fl. 30 per picul was the average rate throughout the year, the season this year opened at the above mentioned quotation, but soon afterwards, beyond all expectation, prices even rose till double this figure, so that the unheard of price of fl. 60 a picul was readily paid for black Lampong pepper. The exceptionally high rates may partly be due to a smaller crop, or rather to a too small estimation thereof.

According to a rough estimation, a maximum crop of 175,000 piculs may be depended upon. No doubt this year's crop is much less plentiful than last year's, when some 350,000 piculs could be harvested. Considering, however, without being too optimistic, that the average rate of fl. 45 is maintained, this year's crop will still bring in a sum of say 7,000,000 guilders, which result, compared to last year's when the output valued 9,000,000 guilders, is still far from being unsatisfactory.

When comparing statistics of previous years concerning the product, a continual increase may be noted in value as well as in quantity. It is only after the War that these figures have remained more or less stationary. This state of affairs gives reason for satisfaction to the producers and confidence in the future, especially so, since the entire cultivation of pepper is in the hands of the native population and is to be considered as the principal means of livelihood of the Lampong native. As already mentioned, it has been possible to increase production to such a degree that black Lampong pepper now occupies two thirds of the world production, and, together with white Muntok pepper, it is considered as one of the most merchantable qualities on the market.

From the above figures, which might be completed by adding the records of former years, the conclusion can be drawn that these vary considerably and that it is

hardly possible to give a reliable estimate as to the yearly crop. It is well-known that the pepper plant is a vine and more or less delicate and frequently subject to disease. A significant though sad illustration in this respect is offered by pepper gardens in Acheen. For this reason the plant is not reliable as a product, and unpleasant surprises frequently occur.

It is a lucky coincidence that this year the so-called pepper disease has rarely manifested itself, and the smaller crop may not be ascribed to this cause. The main reason has been that, as in the case of most plants belonging to the same family, cultivation during one year yields more plentifully than during another. The fickle nature of pepper growing will most likely be one of the reasons why no European-managed estate ventures to start cultivating the plant; the risk seems to be too great as has amply been demonstrated by the pepper gardens in Acheen, which have certainly not added in the way of promoting enthusiasm for growing pepper.

### AGAIN CHANGE NARCOTIC REGS. NO. 35

Washington, D. C., Dec. 2—The Commissioner of Internal Revenue has issued the following: Article 142, Regulations No. 35 (revised), as amended by T. D. 3766, approved November, is hereby further amended by adding after the word "opium" in the first sentence thereof the words "or more than one-fourth of a grain of morphine," the amended sentence to read: Art. 142. Composition of preparations. Internal.—Preparations designed for or capable of internal use to be exempt must contain not more than 2 grains of opium, or more than one-fourth of a grain of morphine, or more than one-eighth of a grain of heroin, or more than 1 grain of codeine, or any salt or derivative of any of them in 1 fluidounce, or, if a solid or semi-solid preparation, in 1 avoirdupois ounce.

### MEYER BROS. TIE MERCK BOWLERS

With three victories over the United Drug Co. bowlers to its credit on Nov. 23, the team of Meyer Bros. Drug Co. went into a tie with Merck & Co. in the annual tournament of the St. Louis Drug & Chemical Bowling League. Both leaders now have 19 games won and 11 lost. Previously, Merck led by one game, but by dropping a game to Grasselli on Nov. 23 lost the lead. Other results were of Nov. 23: Monsanto won 2 out of 3 from the Sinclair Paint Co.; Mallinckrodt won three from the J. S. Merrell Drug Co.; Merck won 2 out of 3 from the Grasselli Chemical Co.

Pevo Drug Co. has obtained a Delaware charter to engage in the manufacture of drugs and pharmaceuticals. The capital stock is \$100,000 and the incorporators are Cyril Voltz and C. H. Petrillo, of Erie, Pa.

The fifth revision of the National Formulary, published by the American Pharmaceutical Association is now being published and will soon be on the market.



## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see Chemical pages 1546-1564

### BISMUTH PREPARATIONS RISE SHARPLY

**Manufacturers Announce Sharp Advance—Quinine War Rumor False—Santonin Reduced to Enhance Demand—Second Hand Sellers Shade a Number of Prices—Alkaloids Normally Active**

#### PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

##### Advanced

Hydrastine, 1.00 oz.

##### Declined

Acetanilid, second hands, 1/2 lb Iodine Tincture, sec. hands 10c lb  
Acid, Benzoic, 2c lb                      Santonin, \$20.00 lb

#### Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acetanilid .....	\$3.35	\$3.35	\$3.35	\$3.36	\$2.00	\$2.20
Acid Citric Import .....	.45	.45	.45	.46	1.25	.45
Caffeine, Alkaloid .....	3.75	3.75	3.75	3.50	13.00	3.65
Calomel, American .....	1.45	1.45	1.37	1.22	3.43	.90
Camphor, Jap ref .....	.72 3/4	.72 3/4	.73	.67	3.55	.41
Iodine, Resublimed .....	4.65	4.65	4.65	4.75	5.00	3.75
Menthol .....	8.65	8.65	9.65	13.25	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.48	.48	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.42	.42	.42	.49 1/4	1.05	.50

Average ..... 1.984 1.984 2.067 2.38 5.92 1.56

Features of the fine chemical market were a radical advance in the price of bismuth preparations in first hands, continued weakness in menthol, strength in quicksilver and a reduction in the price of santonin to encourage a lagging demand.

Another feature of the fine chemical market during the week has been the persistent rumor, propagated through presumably reliable channels, that severe competition in the quinine market has produced a stringent price war with rapid price slashing by the principal factors. That such rumors are unfounded was agreed by all factors, who, when interviewed, denied that they were lowering their prices except in one or two isolated cases where features other than competition bore on the situation, and that the rumors seemed to emanate from a source interested in lowering prices in the American market.

**Acetanilid**—This market is quiet with resellers quoting lower at 34c@35c lb. First hands are unchanged at 35c@35 1/2c lb.

**Acid, Acetylsalicylic**—Little change is seen in this situation with resellers continuing to sell at under manufacturers' open quotations.

**Acid, Benzoic**—Competition is less keen and prices are more steady in first hands. Some lots are around the spot market at 55c@56c lb in barrels from second hands.

**Acid, Carbolic**—Better demand is reported with prices firm at unchanged figures.

**Acid Citric**—This market continues quiet with prices well controlled by domestic manufacturers.

**Acid, Tartaric**—Prices are unchanged with a routine

demand existing for spot goods. The Italian makers are higher than the local market in their ideas.

**Alcohol**—Slightly better demand is reported, but the buying so far has not measured up to expectations. Distillers have made no change in their quotations but some stocks are available on spot at below their prices.

**Alkaloids**—Hydrastine alkaloid and hydrochloride have been advanced in some quarters to \$20.50@21.00 oz. in one ounce vials with the sulfate up to \$22.50@23.00 oz. Other alkaloids are unchanged at former prices with a routine demand for winter consumption now showing. Resellers are willing to shade manufacturers' prices in a number of instances.

**Bismuth Preparations**—Bismuth preparations stage a sharp advance in the hands of makers, bringing the price of bismuth ammonium citrate up to \$6.25 lb, betanaphtholate to \$3.85, citrate to \$3.50, nitrate to \$2.35, oxychloride to \$4.00, phenolsulfonate to \$3.55, salicylate to \$2.45, subcarbonate to \$3.95, subcarbonate for X-Ray diagnosis to \$4.30, subgallate to \$3.15, subiodide to \$5.15, subnitrate to \$3.35, subnitrate cones to \$4.35, subsalicylate to \$3.55, tannate to \$3.10, chloride to \$4.10, hydroxide to \$4.00, and anhydrous oxide to \$4.20 lb.

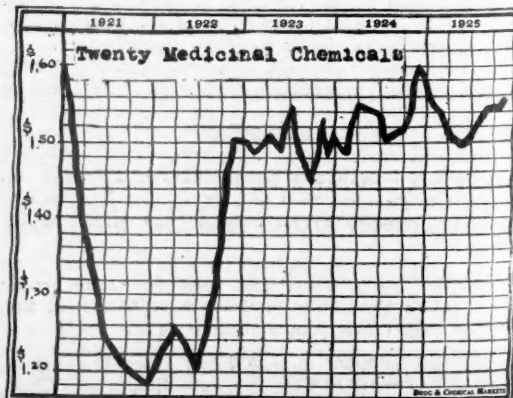
**Bromides**—Ammonium, potassium and sodium bromides are quiet at unchanged prices. Potassium bromide seems a trifle easier but little change is seen in the market.

**Camphor**—Firmness in exchange has stiffened the market up here a bit but prices show little change. Stocks are adequate and spot is still offered at 72 3/4c lb for Japanese slabs with tablets at 84c. Domestic refined goods are unchanged at 84c lb for the slabs.

**Codliver Oil**—Demand is quiet and the spot market is somewhat weak with prices quiet at \$38.50@41.00 as to brand. Norway is not pushing sales at present, evidently feeling that higher prices will prevail later.

**Cream of Tartar**—This item continues to move in a routine manner with prices steady at 21c@21 1/2c for the imported and the domestic unchanged at 22c@22 1/4c lb.

**Creosote**—Producers report a good seasonable demand with prices steady at schedule figures. Carbonate is also unchanged.







# The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 1564-1569

## SPANISH SAFFRON CONTINUES ADVANCE.

Follows Shipment Figures—Spot Trading in General Quiet—Spices and Seeds Show Activity, Unusual for Season—Gums Are Firm Due to Failures to Ship From Abroad—Musk Root, Senna Pods Easier

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Althea cut, 1c lb	Mustard, 1/2c lb.	Canary Seed Mor., 1/2c lb	Peppermint Leaves, dom., 1c lb
Caraway Seed, Dutch, 1/2c lb	Peppers, white, 2c lb	Cassia, Chin, sel rolls, 1/2c lb	Sage, Dal., 1/2c lb
Chamomile Flowers, Hung, 1c lb	Pimento, 1/2c lb	Celery Seed, 1/2c lb	Stillingia Root, 1/2c lb
Cottonroot Bark, 2c lb	Poppy Seed, Dutch, 1 1/2c lb	Musk Root, 3c lb	Senna Pods, 1c lb
Dragon's Blood, Reeds, 5c lb	Rape Seed, 1/2c lb		Sunflower Seed, 1/2c lb
Elemi Gum, 2c lb	Saffron, Span., \$2.00 lb		
Grains of Paradise, 1c lb	Serpentaria, 2c lb		
Larkspur Seed, 20c lb	Stavesacre Seed, c lb		
Lycopodium, 5c lb	Tragacanth Gum, No. 1, 5c lb		

### Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Aconite Root, USP .....	\$ .28	\$ .28	\$ .28	\$ .35	\$ .90	\$ .42
Buchu Leaves, Short ....	.60	.60	.61	.76	4.00	.85
Cantharides Russian .....	.60	.60	.60	.80	9.00	2.10
Cocculus Indicus .....	.07	.07	.07	.03	.85	.03
Ergot, Spanish .....	.80	.80	.85	.60	4.50	.54
Insect Powder, pure .....	.29	.29	.29	.44	1.00	.28
Ipecac, Cartagena, powd..	2.75	2.75	2.60	2.50	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	14 1/2	.07
Opium gum .....	12.00	12.00	12.00	12.00	30.00	5.00
Rhubarb Root, H D .....	.35	.35	.35	.35	1.75	.15
Tragacanth, No. 1 ribbon	1.85	1.50	1.50	1.15	6.00	1.50
Wild Cherry Bk. Thin nat.	.08	.08	.08	.08 1/2	.21	.07
Average .....	1.617	1.613	1.612	1.58	5.28	1.60

The crude drug market remained comparatively quiet during the week and dealers anticipate a quiet market for a few weeks to come. Very few price changes of actual significance took place, although a number of items have advanced in either temporary or lasting shortages or on unexpected demand. Spanish saffron continues to advance following quotations from abroad, and some demand setting in has brought chamomiles more nearly in line with shipment prices. The spice and seed market shows an activity, unwonted for this time of year, and a number of the price changes developed in these items. Failure on the part of shippers in producing countries to ship on contract has produced an acute situation in one or two of the gums, and scarcity and higher prices exist there. New crops continue to exert an influence on musk root which is again lower, as also are senna pods.

**Aconite**—A steady, active demand prevails in this market with conditions generally unchanged.

**Aletris**—This root is unchanged at recent decline in price.

**Althea**—Following recent shortage of the whole, cut has now advanced and 45c is the inside price with some holding firmly to 50c lb.

**Balsams**—There has been no change in this situation with prices steady and buying comparatively quiet. Copaiba, Peru and Tolu are steady with no change evident in the firms.

DRUG AND FINE CHEMICAL SECTION

**Belladonna**—Root is very firm at 13 1/2c@15c lb as to holder with leaves also firm at 24c@25c lb.

**Buchu**—There is some pressure on this market from old goods and prices are heard as low as 57 1/2c for some of these lots. Quotations are named, however, at 60c@65c by the majority of dealers.

**Cascara Sagrada**—Conditions at the coast remain firm with price steady. Desire on the part of holders to liquidate, is exerting pressure on the spot market and some 1924 peel is offered at 13c@13 1/2c, with 1923 at 14 1/2c. Most holders are unchanged at 15c and 18c respectively for these peels.

**Chamomiles**—Some inquiry is seen in this market and Hungarian flowers are approaching shipment prices. The best that can now be done is 19c@20c lb with Roman flowers unchanged.

**Cochineal**—Spot stocks are limited and prices are nominal at recent quotations.

**Cottonroot Bark**—Holders are now asking the advanced price of 15c@16c lb for this bark.

**Dandelion Root**—This market continues firm at unchanged prices.

**Digitalis**—Some lower prices have been heard, but most of the holders are firm at the recently advanced price of 25c lb.

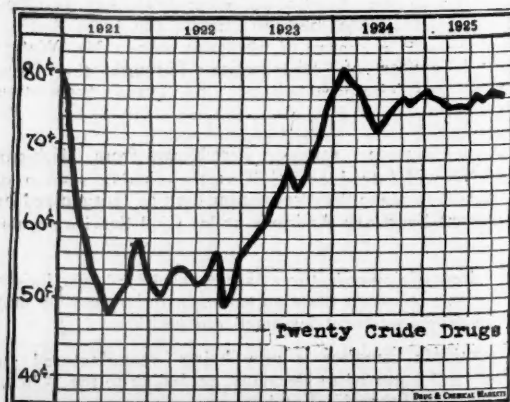
**Dragon's Blood**—Reeds are now held at the inside price of 95c and range from there to \$1.00. Mass is unchanged.

**Ergot**—Prices are unchanged although there seems to be an improvement in demand.

**Goldenseal Root**—Market is firm with prices unchanged. Some holders are higher in their ideas for powdered.

**Grains of Paradise**—This item is now inside at 14c@15c lb.

**Gums**—This market is becoming more stringent, due to a number of shippers from primary sources defaulting on contracts. Elemi has been advanced to 20c lb for No. 1 and 19c for No. 2, mastic is firm, sandarac is scarce but unchanged in price, benzoin is held at the recent advance, although some are looking for relief from that situation soon. Arabic is firm at recently



established levels, and tragacanth is now inside at \$1.55 for No. 1 ribbon.

**Insect Powder**—This situation shows no change either in prices or in statistical position.

**Ipecac**—Whole root is practically off the market and demand for powdered is strengthening that up considerably. Prices are unchanged.

**Larkspur Seed**—Persistent fluctuations characterize this market and the price is now again up to \$2.45@ \$3.25 lb.

**Lobelia**—This item continues to move steadily at recently reduced prices.

**Lycopodium**—Spot stocks are again limited and the price is now up to 95c@\$1.00 with offerings for arrival at 90c lb.

**Marjoram**—Offerings are now made on a when and if released basis at 55c@55½c lb for the French and 48c@50c lb for German.

**Musk Root**—Further relief has been felt in this market and the price has still further declined to 85c@ 90c lb.

**Peppermint Leaves**—Domestic leaves are now offered at 24c@40c lb as to quality.

**Rhubarb**—There has been no real change in this situation with prices firm and demand active.

**Saffron**—The price has further advanced to \$35.00@ \$38.00 lb for the Spanish following higher prices from abroad. American is easier at 45c@50c lb.

**Saw Palmetto Berries**—Market is unchanged at recent reductions.

**Seeds**—Dutch caraway is higher at 6½c@7½c lb with Moroccan canary easier at 7½c@8c lb. Celery is now more readily available at 25½c@26c lb, Dutch poppy is scarcer and higher at 11c@12c lb, South American rape is higher at 6¼c@7c lb, and stavesacre has advanced to 30c@31c lb.

**Senega**—Remains firm at 70c@75c lb.

**Senna**—Pods are easier at 13c@17c lb with leaves firm and unchanged.

**Serpentaria**—Market is firmer and the best price is now 80c@85c lb.

**Spices**—Good activity for the season continues. English yellow and Dutch yellow mustard have advanced to 12c@12½c and 10½c@11c lb respectively. Sing. white and Muntok peppers have advanced to 34½c @35c and 35½c@36c lb respectively, pimento is up to 10¼c@10¾c lb. Select rolls of Chinese cassia are lower at 9½c@10c lb and sage is down to 5c@5½c lb for Dalmatian.

**Stillingia Root**—This item is easier and now procurable at 10c@11c lb.

**Sunflower Seeds**—Domestic sunflower seeds are more readily obtainable at the reduced price of 5¼c@6¼c lb.

**Valerian Root**—Spot stocks are still scarce and market is firm at 33c@35c lb with some offerings made for arrival at 22c lb.

Druachem Club, New York, has announced through J. T. Brady, chairman of the House Committee that a special 75c blue plate luncheon is now being served daily in the club dining room. The custom of no charge for coffee or tea, which has been in vogue for several years at the club, will be continued, Mr. Brady announces.

S. B. Penick & Co., New York, have purchased the remaining stocks of botanical drugs owned by Lehn & Fink, Inc., New York, who recently went out of the jobbing business. Penick have also taken over the drug milling equipment of Lehn & Fink and this will be shipped to the Penick mill at Weehawken, N. J.

## PRICE LIST CHANGES on Proprietary Preparations and Toilet Goods by Manufacturers

Revisions in the wholesale price lists of pharmaceutical and proprietary products and toilet goods. N—New product. C—Correction of price schedule by manufacturer. A—Advance. D—Reduction. Where old price is omitted, it was not furnished by the manufacturer. Prices are listed as quoted by wholesale druggists and jobbers.

Corn Fix Company, Inc., Newark, N. J.

	Now Was
C—Corn Fix, retails 35c	doz. \$2.80
C—Wart Fix, retails 25c	doz. 2.00
C—Corn Fix Foot Bath Tablets, retails 25c	doz. 2.00
C—Laxative Cold Fix Tablets, retails 25c	doz. 1.50
C—Preventa Salve, tubes, retails 35c	doz. 2.80

Ferment Company, New York

C—Lactobacilline Tablets, 48's	doz. 9.25
C—Lactobacilline Tablets, 25's	doz. 4.10
C—Lactobacilline Liquid Culture A, 20's, small	doz. 15.40
C—Lactobacilline Liquid Culture A, 20's, large	doz. 39.90
C—Lactobacilline Liquid Culture A, 6 oz.	doz. 7.70
C—Lactobacilline Liquid Culture D, 20's, small	doz. 15.40
C—Lactobacilline Liquid Culture D, 20's, large	doz. 39.90
C—Lactobacilline Liquid Infant Culture, 20's	doz. 15.40
C—Lactobacilline Suspension, 20's	doz. 15.40
C—Lactobacilline Suspension, 8's	doz. 7.70
C—Lactobacilline Milk Tablets	doz. 5.15
C—Lactobacilline Milk Ferment	doz. 7.70
C—Lactobacilline B. Acidophilus, 4 oz.	doz. 7.70
C—Lactobacilline New Life Cocktails	per box 2.00
C—Lactobacilline Bulgaricus Bouillon	per box 2.25
C—Lactobacilline Pineapple Culture	per box 2.00
C—Lactobacilline Whey Culture	per box 2.25
C—Lactobacilline B. Acidophilus Bouillon	per box 2.25
C—Lactobacilline B. Acidophilus Pineapple Culture	per box 2.25

M. F. Groves' Son & Co., Philadelphia, Pa.

C—Anodyne for Infants, retails 35c	doz. 2.80
C—Lille Black Pills, retails 25c	doz. 2.00
C—Croup & Cough Remedy, retails 50c	doz. 4.00
C—Asthma Mixture, retails 60c	doz. 4.80
C—Ease You Powder, retails 35c	doz. 2.80
C—Ease You Embrocation, retails 50c	doz. 4.00
C—Cramp & Colic Mixture, retails 50c	doz. 4.00
C—Fever & Chill Remedy, retails \$1.00	doz. 8.00
C—Whooping Cough Remedy, retails 60c	doz. 4.80
C—Granulated Eye Lid Ointment, 50c	doz. 4.00
C—Earache Oil, retails 50c	doz. 4.00
C—Ease You Pile Ointment, retails 75c	doz. 6.00

Nestles Food Co., New York

D—Malted Milk, 7 oz.	doz. 3.25 4.50
D—Malted Milk, 15 oz.	doz. 6.50 9.00
D—Malted Milk, 5 lb. tins	per lb. .29
D—Malted Milk, 26 lb. tins	per lb. .28 .35

Utility Co., Inc., New York

N—Gresolvent, 2 lb.	doz. 2.15
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Edward Wesley & Co., Cincinnati, Ohio

N—Heet, retails 60c	doz. 4.80
Milano Pharmacal Co., New York	
C—Milano Effervescent Magnesia, small	doz. 1.80 1.80
A—Milano Effervescent Magnesia, medium	doz. 3.00 2.40
A—Milano Effervescent Magnesia, large	doz. 4.20 3.60

The Hager Co., South Bend, Ind.

N—Oak Balm, retails \$1.00	doz. 9.00
N—Hager's Special, retails \$1.00	doz. 9.00

Chamberlain Medicine Co., Des Moines, Iowa

Chamberlain's Remedies	
Colic & Diarrhoea Remedy, retails 35c	doz. 2.80
Colic & Diarrhoea Remedy, retails 65c	doz. 5.50
D—Cough Remedy, retails 25c	doz. 2.00 2.80
D—Cough Remedy, retails 50c	doz. 4.00 5.25
Cough Remedy, retails \$1.00	doz. 8.00
Pain Balm, tubes, retails 25c	doz. 2.00
Pain Balm, retails 35c	doz. 2.80
Pain Balm, retails 60c	doz. 5.25
Ointment, retails 25c	doz. 2.00
Tablets, retails 25c	doz. 2.00
Liniment, retails 35c	doz. 2.80
Salve, retails 25c	doz. 2.00
Handy Corn Plaster, retails 10c	doz. .75
A—Hand Lotion	doz. 3.00 2.25

Dare's Mentha-Pepsin Co., Newark, N. J.

A—Dare's Mentha-Pepsin, retails \$1.15	doz. 9.00 8.00
Dare's Pink Purgative Pills, retails 25c	doz. 2.00

Hobo Medicine Co., Beaumont, Texas

D—Hobo Kidney & Bladder Remedy, retails \$1.20	doz. 8.00 9.60
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The Forbes Diastase Co., Marietta, Ohio

Forbes Diastase	doz. 12.00
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## The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 1569-1570, Aromatic Chemicals, 1570

### HIGHER PRICES FOR ORANGE OIL

**Shipment Shows Sharply Over Spot Figures—Storm in Sicily Played Havoc With Crops—May Affect All Messina Essences—Wormwood Up—Anise Lower—Peppermint Marking Time, But Strong**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Almond, Sweet 5c lb	Oil Orange, Ital. 20c lb
Oil Bois de Rose 25c lb	Oil Pimento 50c lb
Oil Limes, Exp., 25c lb	Oil Sandalwood 10c lb
Oil Limes, Dist 10c lb	Oil Wormseed 10c lb
	Oil Wormwood 50c lb
Declined	
Oil Anise, Tech. 3c lb	Terpineol, 1c lb
U. S. P. 2c lb	Vanilla, Mex., 50c lb

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot .....	\$5.00	\$5.00	\$5.00	\$3.40	\$7.00	\$5.00
Oil Citronella Ceylon .....	.47	.47	.47	.73	1.02	.60
Oil Cloves .....	1.85	1.85	1.85	2.10	3.70	1.40
Oil Lemon, Italian .....	2.00	2.00	2.00	.90	1.70	2.00
Oil Peppermint Nat. ....	28.00	28.00	18.00	8.00	9.00	2.24
Oil Sandalwood, E. I. ....	7.10	7.00	7.00	7.00	14.00	5.25
Oil Sassafras, Artif. ....	.27	.27	.27	.35	1.00	.26
Coumarin .....	.810	3.10	3.10	3.25	31.00	3.10
Benzaldehyde, U. S. P. ...	1.15	1.15	1.15	1.50	5.15	1.50
Methyl Salicylate Cans ..	.43	.43	.43	.47	1.00	.85
Vanillin .....	.49	.49	.44	.49½	.95	.20

Average ..... 4.68 4.07 3.70 2.57 6.83 2.05

During the past week, there has been a continued strong market for essential oils. Due to a severe storm in the Messina district of Sicily, orange and lemon oils came to the fore as items of interest. Although accurate reports from the devastated areas are not yet available, indications point to considerable damage. If such be the case, factors here state that this will be reflected in quotations for shipment. Cable reports on Java citronella oil continue to indicate a firmness for shipment. A scarcity of oil cassia and expressed lime oil is still apparent.

#### Essential Oils

**Oil Almond**—Sweet almond stocks are none too plentiful and as a result, prices are now higher at 90c to \$1.10 as to seller. Peach kernel oil maintains its strong position at 55c.

**Oil Anise**—Prices have eased off a bit, and quotations are now 65c to 68c on technical and 68c to 72c on U. S. P.

**Oil Cassia**—Although there has been no advance in the past week, prices are well maintained, and U. S. P. is still quoted at \$3.35 to \$3.60 lb. Technical oil not available on spot.

**Oil Bois de Rose**—An advance was recorded in this item, and factors are now asking \$3.25 to \$3.50 lb spot.

**Oil Citronella**—Java oil shows a firmer trend and is now offered at a minimum figure of 88c lb spot drums. Cable quotations indicate a firmer market at origin with \$1.00 lb the lowest figure obtainable. Ceylon weak at 46c to 49c spot drums.

**Oil Erigeron**—Has maintained its recent advance, and is offered at a minimum of \$6.50 lb; while in some

quarters \$7.00 is asked. There has been no shading of these figures as it is quite scarce on spot.

**Oil Eucalyptus**—There has been no price change on this item and the demand remained fairly active in some quarters. Offerings at 55c lb spot, in cases or drums heard.

**Oil Geranium**—Foreign markets are still quite strong, report being to the effect that stocks have been reduced. There has been little change in the spot situation, with stocks of Bourbon offered at \$4.00 lb and up as to seller.

**Oil Lemongrass**—In spite of reports of a higher spot price it is still possible to obtain stocks at \$1.00 to \$1.10 lb, with but moderate interest.

**Oil Lemon**—Spot prices on Italian are higher at \$2.00 to \$2.25 lb. Considerable interest is shown here as to the effect the storm in Sicily will have on this market. It is expected that a rise in price is probable, but not certain.

**Oil Limes**—Due to the continued scarcity of expressed limes, there has been a further advance in price and \$5.75 to \$6.00 is now being asked in some quarters. Distilled is quiet and is offered at \$2.25 to \$2.60 on spot with routine interest.

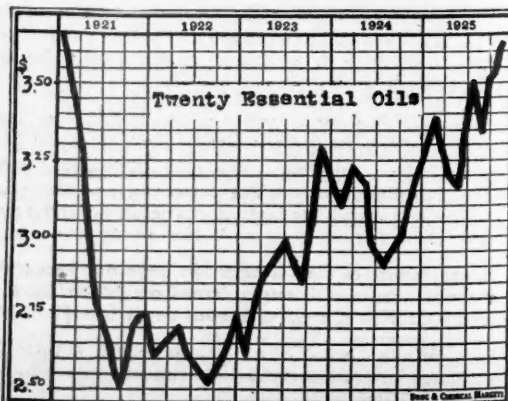
**Oil Orange**—Spot prices are higher at \$2.85 to \$3.25 on spot for the Italian. Cables received last week quote \$3.05 for futures and a further advance is expected when complete reports as to the damage done by the storm in Sicily are available. It is believed that the orange crop was all in before the storm. West Indian oil at \$2.60 to \$2.75.

**Oil Peppermint**—Has maintained its firm position, but prices have marked time during the past week at \$28.00 to \$30.00 lb. Only business in a small way has been done, owing to the high price. Shows no signs of receding at present.

**Oil Sandalwood**—Prices on spot have advanced to \$7.10 lb from dealers, partially due to the increased demand of late.

**Oil Wormseed**—There has been considerable interest in this item and the cheapest spot figure now heard is \$5.00 to \$5.25 lb.

**Oil Wormwood**—There has been a further advance in





wormwood and it is reported that sales are being made at \$7.00 lb to \$7.50 lb as to seller.

**Aromatic Chemicals**

**Vanillin**—The price of 49c in 500 oz. lots has been maintained by makers during the past week, while 50c to 51c is still the best figure named on smaller lots. Clove position abroad firmer.

**Terpineol**—A continuance of competition among makers has caused a further decline in terpineol, and U. S. P. material is now offered at 30c to 32c in drums as to seller.

**Vanilla Beans**

Mexican beans continue easier and are offered at \$7.00 to \$9.00 lb for whole beans on spot as to quantity and seller. Cuts are \$5.00 to \$6.50 lb. Bourbons are unchanged at \$3.00 to \$4.00 spot. South American \$4.50 to \$6.00; Tahitis at \$2.90 to \$3.00 lb.

**COMPLAINT AGAINST TOILET GOODS MAKER**  
(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 2.—The Federal Trade Commission has issued a complaint against the Dr. Eagan Manufactory, Kling-Gibson Company, Dr. S. J. Eagan, and the Dr. Eagan Laboratory, of Chicago in which it alleges misrepresentation of toilet articles. The respondents, according to the complaint, conduct a mail order business, advertising their products in magazines, etc. In is charged in the complaint that in this advertising the firms set forth various misleading statements concerning the ingredients of their preparations and the results obtained from using them.

The essential oils shipped from Malaga to the United States during August, 1925, were chiefly origanum, rosemary, and juniper, with small amounts of sweet orange and marjoram. The total exported reached only 10,359 pounds, valued at \$10,170, compared with 18,545 pounds, valued at \$24,609, in July, and 19,637 pounds, valued at \$14,656, in August, 1924. Stocks in the district were low, but distilleries were busy with the new crops.

Imports of essential oils into the United States during September, according to the Department of Commerce, were as follows: Bergamot, 7,570 pounds, valued at \$30,317; citronella and lemongrass, 83,495 pounds, valued at \$63,568; lavender and spike lavender, 2,084 pounds, valued at \$9,832; lemon, 16,325 pounds, valued at \$24,810; orange, 15,328 pounds valued at \$36,859; other oils, 111,189 pounds, valued at \$190,226.

Exports of rose oil from Bulgaria during July amounted to 670 kilos valued at 27,334,295 leva, of which the United States took the major portion with France running a close second and other countries taking comparatively small portions. Exports for the first seven months amounted to 1,421 kilos valued at 53,498,473 leva.

A "cease and desist" order has been issued against Harriet Hubbard Ayer, Inc., New York toilet goods manufacturer, by the Federal Trade Commission, enjoining them from pursuing a retail price maintenance policy.

Exports of vanilla from Madagascar during 1924 amounted to 293,192 kilos valued at 89,457,600 francs. Exports of cloves reached 561,403 kilos in 1924 against 757,082 in 1923.

The provisions of the customs laws, requiring packages to show the country of origin, have been upheld by the Supreme Court in a decision handed down Oct. 19.

S. S. White Dental Mfg. Co., has been granted a government contract to refill 100 cylinders with nitrous oxide at \$11.75.

**ANDREWS GIVES ALCOHOL PLEDGE**

In a letter to the National Wholesale Druggists' Association, W. L. Crounse, Washington representative of the Association recently stated regarding the annual renewal of alcohol permits: "In making effective this important change in the regulations General Andrews gives an unreserved pledge to industry that he will protect it against hardship or annoyance and as an earnest of his intention he proposes that the trades shall have the amplest possible notice of the effective dates of the change. Treasury Decision 3773, issued under date of November 14, 1925, giving notice of the expiration on December 31 of this year of permits of all classes, was not only prematurely promulgated but having been published during General Andrews' absence it did not receive the consideration which the importance of the proposed innovation demanded. As soon, however, as the obvious hardship that would be suffered by the trades in any serious attempt to comply literally with this decision was brought to General Andrews' attention by other representatives of industry and myself he promptly instituted an exhaustive inquiry into the subject including close scrutiny of the records of the Bureau in connection with the annual renewals of permits since the effective date of the Volstead Act. He speedily satisfied himself that TD-3773 could not be literally enforced and that any attempt to require all permits to be renewed before the close of the current calendar year would involve serious hardship to industry and might have a demoralizing effect upon the working force at the disposition of the Prohibition administrators in the chief industrial districts of the country.

General Andrews therefore decided that no attempt should be made to require the renewal of permits on or before December 31 of the present year except as to industrial alcohol plants, bonded warehouses and denaturing plants which comprise a comparatively small number. He also decided to request holders of permits to use denatured alcohol to apply before December 31 for renewals of their permits but to allow existing permits to remain in force until renewed on or before March 31, 1926, thus giving permittees ample time in which to apply for renewals and affording prohibition administrators ninety days in which to act upon applications and send out new permits.

With regard to so-called "H" permits for the use of non-beverage alcohol and other liquors for manufacturing purposes Gen. Andrews decided that in view of the large number of such permits now outstanding—this class of permits being far more numerous than any other—no attempt should be made to have these permits renewed for the year 1926 but to require applications for renewals for the year 1926 to be made prior to July 1 next with the understanding that every effort would be made on the part of the Government to have them acted upon as promptly as possible so that all renewals would be made before December 1, 1926. This arrangement of dates was adopted to obviate the embarrassment experienced by many holders of "H" permits in the closing months of past years when financial credit was frequently curtailed by banks, trust companies, etc., because of the fact that manufacturers using alcohol and applying for loans had not received renewals of their permits for the coming year. General Andrews also hopes that by allowing administrators five months in which to examine applications for renewals and send out new permits the work can be done without concentrating all inspectors upon this particular function and thus depriving industry of a current inspection service so essential to the continuance of manufacturing operations."

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrans, sizes and starches; fertilizer materials, accelerators and solvents, and miscellaneous products; Crude Drugs, including barks, herbs, roots, etc. Essential oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallow, greases, and fats. All groups are in alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available.

and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

**Fatty Oils** prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

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## Chemicals

Acetaldehyde Dis. or Cyl. e/l wts D	...	.26
le-1 wts	.30	.35
ACETANILID, tech 150 lb bbls..D	.35	.38
100 lb bags	.37	.30
USP, 200 lb bbls	.35	.37½
Second hands	.34	.34½
Acetic Anhydride		
85%, 107 lb chys	.37	.30
92-95%, 100 lb chys	.31	.34
CP, 100 lb chys	.75	.80
Acetic Ether, see Ethyl Acetate		
Acetins, 50 gal drums	...	.35
Acetone, CP 700 lb drs e/l wts D	...	.13
Tank cars, wts	...	.12
700 lb drs le/l wts	.13	.13½
350 lb drs, le/l wts	...	.14
Acetone Oil, light, drs wts...gal	1.40	1.45
Heavy, drs, wts	1.40	1.45
Acetophenone, 225 lb bbls	1.85	1.90
Acetyl Chloride, 100 lb chys	.83	.85
Acetylenetetrabromide	...	1.50
Acetylenetetrachloride Drums wts D	.10½	.11
ACID, 1, 2, 4, 250 lb bbls e/l	...	1.25
Acetic, 95%, 400 lb bbls	...	3.12
100 lb wts	...	3.37
98% le-1 wts	...	5.85
56% le-1 wts	...	6.10
70% bbls e-1 wts	...	7.20
70% le-1 wts	...	7.45
80% com'l bbls e-1 wts	...	8.44
80% pure bbls e-1 wts	...	9.08
80% pure le-1 wts	...	10.23
Glacial, bbls e-1 wts	...	11.01
Glacial, le-1 wts	...	11.26
Glacial, USP, chys wts	...	11.75
Acetylmalic, 225 lb bbls	.72½	.75
Second hands	.70	.73
Anthranelle, tech, drs	...	.80
98-100%, 100 lb drs	.98	1.00
Benzene, tech, 100 lb bbls	...	.57
Tech, tan lots bbls	...	.57
USP, 100 lb bbls	.60	.61
Second hands	.55	.56
Boric, crys, powd 350 lb bbls D	...	.60½
Tags, 100 lb	.10	.10½

ACID		
Butyric, 60% pure, 5 lb bot..D	.55	.60
90%	.70	.75
C.P. 10 lb bot	1.25	1.50
Camphoric USP, VIII 1 lb bot D	4.85	5.00
Carbolic, USP crys, see also Phenol		
112 lb tins	.24	.25
25 lb tins	.26	.27
5 lb tins or bot	.28	.30
1 lb bot	.33	.34
Liquid USP, 1 lb bot	.32	.33
Crude, 35% 50 gal bbls..gal	.31	.33
10% 50 gal bbls	.25	.28
Carbonic, see Carbon Dioxide		
Chloroacetic		
Mon 100 lb bbls wts...D	...	.35
DI, 150 lb chys wts	...	1.00
Tri, 5 lb bot	...	2.50
Chlorosulfonic, 1500 lb drs	...	.15
Chromic, USP, 200 lb drums..D	...	.37
85% Pure, 200 lb drums..D	...	.35
Chromotropic, 300 lb bbls	...	1.25
Chrysanthemic, see Chrysanthemum		
Cinnamic, 5 lb cans	2.25	2.50
CITRIC, USP, crys, 350 lb bbls D	...	.45½
Powd., USP, 300 lb bbls..D	...	.46½
Imported crys, 112 lb bags D	.45	.45½
Single bags	...	.47
Clava's, 350 lb bbls	.95	.97
Cresylic, 95% dark drs NY	.52	.55
97-99% pale, NY	.54	.57
Crude, spot, drums	...	...
Diethylbarbituric, Dom. 25 lb lots	8.00	9.00
1 lb bot	4.20	4.35
Imp. 10 lb lots	.09½	.10
Formic, 85% tech., 140 chys D	.11	.11½
90%-80 lb chys incl	...	.65
Gallic, USP, 150 lb bbls	1.30	1.36
Gamma, 225 lb bbls wts	1.85	1.95
Glycerophosphoric, 25% 1 lb bot	.68	.72
H 225 lb bbls wts	.68	.70
Hydrolic, 10% USP 5 lb bot D	...	...

ACID (Cont.)		
Hydrobromic, 48% com'l 155 lb chys wts	.45	.48
48% com'l, 10 chys wts	...	.45
40% USP, 155 lb chys wts D	...	.55
10% USP, 100 lb chys wts D	...	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys	.97	.98
Hydrocyanic, wts, cyl.	.90	1.00
HYDROFLUORIC, 30% 400 lb bbls wts	...	.80
30% 100 lb chys wts	...	.88
48% single 100 lb chys wts D	...	.10
52% 100 lb chys wts	...	.12
52% 10 chys wts	...	.11
60% 100 lb chys wts	...	.14
60% 300 lb chys wts	...	.13
White Acid, 100 lb chys wts D	...	.26
White Acid, 10 chys wts	...	.25
Hydrofluosulfuric, 35% 450 lb bbls wts	.10	.13
Hypophosphorous, USP 30% 5 gal dems	...	.35
USP, 10% 5 gal dems	...	.36
LACTIC, 22% dark 500 lb bbls D	.05½	.06
22% light, bbls	.06½	.07
44% dark, bbls	.11	.12
44% light, bbls	.13	.13½
66% dark, bbls	.13	.13½
66% light, bbls	.28	.31
USP, IX 100 lb chys	...	.70
USP, VIII 100 lb chys	...	.69
Lauric's, 350 lb bbls	.80	.85
Metastillic, 250 lb bbls	.60	.65
Mixed, Sulfuric-silicic		
Drums, wts	.07½	.08
Drums wts	.01	.01½
Tank cars, wts	.04	.04½
Tank cars, wts	.008	.01
Molybdic, 85% pure 100 lb bags D	1.25	1.30
100% C. P. 100 lb bags	1.30	1.35
Monosulfonic F. Delta 50 lb tins D	1.75	1.80

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## Chemicals

## ACID

<b>MURIATIC, 36° chgs. 1c/2</b>		
Wm. ....100 lb	1.60	: 1.70
Chgs. c/l wks. ....100 lb		: 1.35
Tank cars, wks. ....100 lb		: 1.00
18° 190 lb chgs.		
c/l wks. ....100 lb		: 1.35
Tank cars, wks. ....not ton		: ...
32°, 120 lb chgs.		
c/l wks. ....100 lb		: 1.75
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthionic, tech 250 lb bbls	.55	: .59
Norite & Winter's, 250 lb bbls	.95	: .99
<b>NITRIC, 36°, 135 lb</b>		
Chgs. 1c-1 wks. ....100 lb		: 5.00
Chgs. c-1 wks. ....100 lb		: 4.75
38° 1c-1 chgs. ....100 lb		: 5.50
Chgs., c-1 wks. ....100 lb		: 5.25
40° 1c-1 chgs. ....100 lb		: 6.00
Chgs., c-1 wks. ....100 lb		: 5.75
42° 1c-1 chgs., wks. ....100 lb		: 6.50
Chgs., c-1 wks. ....100 lb		: 6.25
C. P. chgs. single wks. ....100 lb	.12	: .13
Oralic, 300 lb bbls, wks. ....	.10%	: .11
Btla, NY ....	.10%	: .11
Keps, 100 lb NY ....	.11%	: .11%
Imp, 500 lb cans ....	.11	: .11%
Phenylchloride, domestic	9.30	: 9.60
Imported 5 lb	5.75	: 6.25
Second hands		: 5.50
Phosphoric, 50% tech, 180 lb chgs.	.07	: .07%
Syrupy USP, 70 lb drums	.15	: .16
Demis	.16	: .17
Imported	.15	: .16
Second Hands	.15	: .16
Phthalic, see Phthalic Anhydride		
Picramic, 200 lb bbls		: .50

## ACID

Floric, 450 lb bbls	.35	: .37
Pyrogallie, crys. 5 lb cans	1.25	: 1.30
Resublimed, 5 lb cans	1.50	: 1.60
Tech. powd., 200 lb bbls		: .85
Salicylic, tech., 125 lb bbls	.38	: .34
USP, 100 lb bbls	.34	: .35
Second Hands	.33%	: .34%
Sulfuric, 250 lb bbls	.16	: .18
<b>SULFURIC, 66° 180 lb chgs.</b>		
1c/1 wks. ....100 lb	1.50	: 1.85
Chgs., c/l wks. ....100 lb		: 1.25
1500 lb Drums, 1c/1 wks.		: 1.10
Drums, c/l wks. ....100 lb		: .80
Tank cars, wks. ....not ton		: 14.00
60° 1500 lb Drums		: 1.00
1c/1 wks. ....100 lb		: .75
Drums, c-1 wks. ....100 lb		: 9.50
Tank cars, wks. ....not ton	.07	: .08
C.P. 175 lb chgs.		
Oilum 20 p.a. 1500 lb drums		: 1.40
1c/1 wks. ....100 lb		: 1.15
Drums, c/l wks. ....100 lb	17.00	: 18.00
Tank cars, wks. ....not ton		: 40.00
Oilum, 40% drs 1c/1 wks. ....not ton	60.00	: 70.00
Oilum, 60% drs., 1c/1 wks. ....not ton	.05	: .06
Sulfurous, USP 8% 100 lb chgs.	.04	: .05
4% 100 lb chgs.	.04	: .05
USP, 5 gal demis.	.08	: .08
Tannic, tech. 500 lb bbls	.30	: .40
USP, powd. 200 lb bbls	.75	: .80
USP, fluffy, 50 lb bbls	.75	: .80
Tartaric, USP, cryst. 300 lb bbls		: .39
USP, powd. 300 lb bbls		: .39
Imp, USP, 240 lb bbls	.27%	: .28
Powd., 240 lb bbls	.28	: .28%
Tobias, 250 lb bbls		: .85
Tungstic, 100 lb kegs		: 1.00

## ACID

Valeric C.P. 10 lb bot	2.50	: 2.75
Acetidine Alk. cryst, 1 oz vis.		: 30.00
Amorphous, 1 oz vis		: 20.00
Adeps Lause hydrous 350 lb bbls	.20	: .21
Anhydrous, 350 lb bbls	.22	: .23
Albumen, Egg. edible	1.20	: 1.25
Tech. 100 lb drs	1.14	: 1.20
Blood 225 lb bbl	.55	: .60
Vegetable edible	.60	: .65
Technical	.55	: .60
<b>ALCOHOL, amyl See Fuel Oil</b>		
Benzyl, 5 lb bot	1.45	: 1.55
Butyl 50 gal drs wks c-1	.217	: .227
Drums 1c-1 wks	.222	: .232
Tank cars wks	.215	: .225
Ethyl, USP, 190 pf 50 gal bbls	4.94	: 5.04
Export	.64	: .69
Anhydrous, drums c/l		: .66
Cologne Spirit, 50 gal bbls gal	5.04	: 5.14
Denatured		
No. 1 complete denat. 190 pf		
50 gal bbl incl.	.61%	: .65%
Carlota	.59%	: .63%
50 gal drums extra	.64%	: .68%
Tank Cars	.62%	: .66%
No. 1, Special denat. 190 pf		
50 gal bbl incl	.60%	: .64%
Carlota	.58%	: .62%
50 gal drum extra	.63%	: .67%
Tank cars	.61%	: .65%
No. 5, Complete denat. 188 pf		
50 gal bbl incl	.60%	: .64%
Carlota	.58%	: .62%
50 gal drums extra	.63%	: .67%
Second Hands	.52	: .53
Tank cars	.51%	: .55%
No. 6, Complete denat. 199 pf		
50 gal bbl incl	.59%	: .63%
Carlota	.57%	: .61%
50 gal drums extra	.62%	: .66%
Tank cars	.50%	: .54%



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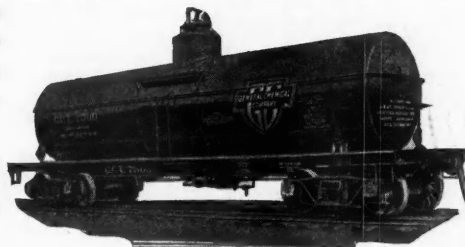




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## Chemicals

## ALCOHOL (cont'd)

In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their use however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.

Diacetone, 50 gal drs. fight allowed	2.15	: 2.30
Isobutyl, crude, 50 gal drs	...	...
Refined, 10 lb cans	...	...
Isopropyl, refined, 90-91%, 50 gal drs	1.00	: 1.25
Ref'd 98-99% drs	1.25	: 1.50
Phenylethyl, 1 lb bot., dom	8.00	: 10.00
Imported	7.00	: 7.75
Propyl, nml., 50 gal drs	...	: 1.00
Aldehyde Ammonia 100 gal drums	.90	: .93
Alein, USP, 100 lb cans	.85	: .88
Alpha-Naphthol crude 300 lb bbls.	...	: .85
Refined	.85	: .90
Alpha-Naphthylamine, 350 lb bbls.	.85	: .87
Tec lotz, bbls. vis.	...	: .35
ALUM, Ammonia, lump 400 lb bbls. vis., 1c/l	3.15	: 3.50
Imp., 500 lb casks	...	: 3.25
Ground, 400 lb bbls vis 100 lb	3.25	: 3.65
Powd. 350 lb bbls. vis. 100 lb	3.55	: 3.90
Chrome, 500 lb cks., vis. 100 lb	5.25	: 5.50
Verneal, lump 400 lb bbls. vis.	3.50	: 3.75
Ebla, c/l vis	3.35	: 3.40
Imported lump	2.75	: 2.85
Ground, 400 lb bbls. vis. 100 lb	3.50	: 3.85

## ALUMS, Potash (Cont.)

Imp., 350 casks	100 lb	3.85	: 3.05
Powd., 350 lb bbls. vis.	100 lb	4.00	: 4.50
Chrome, 500 lb cks. vis.	100 lb	5.25	: 5.50
Soda grd. 400 lb bbls. vis.	100 lb	...	: 3.75
Ebla. c/l vis.	100 lb	...	: 3.50
Aluminum metal, c-1 NY.	100 lb	28.00	: 29.00
Chloride, anhyd. 275 lb drs.	...	.20	: .22
Crystals, 275 lb bbls.	...	...	: .06 1/4
30% sol. 120 lb cys.	...	.08 1/4	: .04
Hydrate 96% light 90 lb bbls.	...	.17	: .18
Heavy 62-64%, 230 lb bbls.	...	.06	: .06 1/2
400 lb bbls. vis.	...	.06 1/4	: .07
Stearate, 100 lb bbls	...	.22	: .23
SULFATE, Iron-free bags c/l vis.	100 lb	2.00	: 2.10
Ebla, c/l vis.	100 lb	2.15	: 2.25
Imported, spot	100 lb	1.70	: 1.75
Comm'l. 1/4% iron bgs c/l vis.	100 lb	...	: 1.40
Cont. bgs c/l vis. E. 100 lb	...	1.35	: 1.40
Bags, c/l vis. W.	100 lb	...	: 1.40
Ebla, c/l vis. East.	100 lb	...	: 1.55
Bulk, c/l cont. vis. E. 100 lb	...	...	: 1.50
Amidol (see Diaminophenol)	...	...	...
Andopyrine, Imp., 10 lb hzs	...	4.60	: 5.00
Domestic 10 lb boxes	...	4.60	: 4.75
Ammonobenzene, 110 lb kgs	...	...	: 1.15
AMMONIA, anhyd 100 lb cyl	...	.15	: .15 1/2
Water 26° 800 lb drs del	...	.03 1/4	: .04
Drs. c-1 delivered	...	.03	: .03 1/2
C.P. cys	...	...	: .10

Ammonium Acetate, 100 lb kgs. D	...	: .40
Benzoate, USP, 1 lb bot.	...	: 1.37
Bisulfide, 300 lb bbls.	...	.21
100 lb kgs	...	.22
Bromide, 450 lb bbls 50 lb hzs D	...	: .55
Imported, 112 lb boxes	...	: .52
Carb., tech. 500 lb cags	...	.08 1/4
Powd. tech., 550 lb cks D	...	.07 1/4
USP, lump 100 lb kgs	...	.11
Powd. 100 lb kgs	...	.13
Second hands	...	.11
Chloride, Domestic	...	...
White, 250 lb bbls., c/l	...	.07
250 lb bbls., 1c/l vis.	...	.07 1/4
Imported white 600 lb cks D	...	.05 1/4
CP, USP, gran bbls	...	.14
Gray, 250 lb bbls., vis.	...	.07 1/4
Ebla., c/l vis.	...	.07 1/4
Imported gray 250 lb casks D	...	.06 1/4
Lump, 500 lb casks spot	...	.12
Ichthyolate, as to brand	...	4.85
Iodide, USP, 25 lb jars	...	5.30
Lactate, 500 lb bbls.	...	.18
Nitrate, tech., crys., 235 lb bbls	...	...
Refined Crystals, bbls.	...	.21
CP gran. 100 lb kgs	...	.25
Oxalate, pure, 100 lb kgs	...	.25
Persulfate, 112 lb kgs	...	.21
Phosphate, dibasic 200 lb bbls.	...	.38
Tech. powd. 325 lb bbls D	...	.18
Mono, 325 lb bbls	...	.12
Tri basic 325 lb bbls	...	.04
Sulleyate USP, 100 lb kgs.	...	.75
Sulfate bulk c-1	...	2.95
Southern points	...	3.00
200 lb double bags f.a.s. 100 lb	...	2.85
Sulfoxyanide, tech., 100 lb kgs D	...	.40
CP, 25 lb jars	...	.50
Amyl Acetate, tech., 50 gal drs gal	2.45	: 2.70
Refined, 50 gal drums	...	3.50
Alcohol, see Fuel Oil	...	...

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## Chemicals

Amyl Butyrate absolute cans ....	D	1.30	: 1.30
ANILINE OIL, 990 lb drums ....	D	.18	: .17
Hydro Bromide .....	D	...	.75
Aniline Salt, 200 lb bbls ....	D	.23	: .24
Amatic, fine .....	D	.41	: .43
Anthracene 80-85% 600 lb casks	D	...	...
via .....	D	.60	: .65
Anthraquinone, sub 125 lb bbls D	D	.95	: 1.00
Antimony metal, slabs tons lots D	D	.19½	: .20
Needle powd. 100 lb cases D	D	.19	: .20
Bromate .....	D	...	1.50
ANTIMONY CHLORIDE, anhyd 1000 lb	D	...	...
dry .....	D	.16	: .17
50 lb casks .....	D	.45	: .48
Sol'n, 130 lb carboys 33° ..	D	...	.06
Oxide, 500 lb bbls ....	D	.19	: .19½
Salt, down 500 lb bbls ....	D	.26	: .27
Imp. NY .....	D	...	...
Sulfuret golden 250 lb bbls ..	D	.14	: .16
Crimson 250 lb bbls ....	D	.25	: .27
Vermilion, 250 lb bbls ....	D	.48	: .50
Tartroacetate, 500 lb bbls ..	D	...	.45
Trihydrate .....	D	...	1.05
Antipyrine, USP, 100 lb cases ..	D	1.75	: 1.90
Second hands .....	D	1.70	: 1.75
Apoanaphthol Hychloride, ¼ oz. via. oz	D	...	22.10
Ardal, double 600 lb bbls ..	D	.12	: .14
Triple, 600 lb bbls ....	D	.16	: .17
Conc., 600 lb bbls ....	D	.18	: .20
Arsenine Hydrimide, 1 oz. vial. oz	D	5.75	: 10.25
Argols, red powd., 350 lb bbls ..	D	.06½	: .07
Arsenic, metal 220 lb kegs ....	D	.45	: .50
Red, 224 lb kegs cases ..	D	.12	: .12½
White 220 lb cases to 550 lb	D	...	...
Bbls NY .....	D	.03	: .03½
Asbestos, c/1 .....	ton	18.00	: 18.00
18/1 .....	ton	20.00	: 22.00
Atropine, see Acid acetylalloylic	D	...	...
Atropine Alk, USP 1 oz vial. ....	oz	6.50	: 7.50
Sulfate, 5 oz cans .....	oz	...	3.50
Single ounce .....	oz	...	8.65
Second hands .....	oz	...	3.00

BARIUM BINOXIDE, see Barium chloride	D	...	...
Bromide .....	D	...	.44
Bromate .....	D	...	.70
Carbonate, precip., 500 lb bbls	ton	52.00	: 54.00
via .....	ton	50.00	: 52.00
Precip., 200 lb bbls, via, ton	ton	44.00	: 46.00
Imports bags NY .....	ton	...	12½
Chloride, 112 lb kegs NY ..	ton	...	12
Chloride, 800 lb bbls via ..	ton	61.00	: 63.00
200 lb bbls, via .....	ton	60.00	: 62.00
Imports, large crystals, bbls.	ton	58.00	: 60.00
spet .....	ton	...	13
Dioxide, 38% 690 lb drs ....	D	.13	: .13½
Import, 36-38% 400 lb drs ..	D	.13	: .13½
Hydrate, 500 lb bbls ....	D	.04½	: .05
Iodide, 5 lb box .....	D	...	5.15
Nitrate, 700 lb casks .....	D	...	.10
Imports casks .....	D	.07½	: .08
Sulfocyanide, 600 lb bbls ..	D	.30	: .31
Barytes, floated 350 lb bbls. via. ton	ton	23.00	: 24.00
Imported .....	ton	20.00	: 22.00
Crude, a.l.f. ....	ton	...	9.00
Bay Rum, Porto Rico, genuine	D	...	...
Medicated salicyl. acid or tartar	gal	.90	: .95
45 gal bbls .....	gal	.90	: .95
Medicated guanine sulf. 45 gal.	gal	.90	: .95
bbls .....	gal	.90	: .95
Domestic synthetic, 50 gal.	gal	.70	: .75
Bbls .....	gal	.70	: .75
St. Thomas	gal	...	...
Medicated salicyl. acid or tartar	gal	.90	: .95
emetic, 50 gal bbls ..	gal	.90	: .95
Benzaldehyde, tech. 945 lb drs.	D	.70	: .75
via .....	D	...	1.15
USP, 40 lb ctya .....	D	1.15	: 1.20
FFC, 40 lb ctya .....	D	1.40	: 1.50
BENZENE, 90% 8000 gal. tanks	ton	...	...
via .....	ton	...	.24
110 gal drs via .....	ton	...	.29
Pure Tanks, via .....	ton	...	.24
110 gal drs via .....	ton	...	.28
Benzidine Base, dry 250 lb bbls D	D	.72	: .74
Benzidine Sulfate, paste 350 lb	D	.68	: .70
bbls .....	D	...	...

Benzol, see Benzene	D	...	...
Benzonaphthol, 5 lb boxes ....	D	3.50	: 3.60
Benzoyl Chloride, 500 lb drs ....	D	...	1.00
Benzyl Acetate 100 lb ctya ....	D	1.30	: 1.40
Benzoate, 5 lb bot .....	D	1.00	: 1.75
Medicinal FFC .....	D	1.75	: 2.00
Chloride, 95% tech. 925 lb drs ..	D	...	.35
100 lb ctya .....	D	.35	: .30
Redistil. 100 lb ctya ..	D	.30	: .35
Formate, 1 lb bot .....	D	8.25	: 8.50
Berberine Hydrchloride, 1 lb bot ....	D	...	22.50
Sulfate, acid or neut. 1 lb bot ..	D	...	22.00
BETA-NAPHTHOL, 350 lb bbls via. ton	ton	...	.24
Carlots via .....	ton	...	.24
Sublimed .....	ton	.85	: .90
Beta-Naphthylamine, tech. 200 lb	ton	...	...
bbls .....	ton	.63	: .67
Sublimed, 200 lb bbls .....	ton	...	1.35
Bichloride Mercury, see Mercury Bichloride	D	...	...
BISMUTH metal, 100 lb cases ..	D	...	2.95
Second Hands .....	D	2.90	: 2.95
Ammon. Citrate, USP, 5 lb cans D	D	...	6.25
Betanaphtholate, 5 lb bxs .....	D	...	3.85
Citrate, USP, 5 lb cans .....	D	...	3.50
Chloride .....	D	...	4.10
Hydroxide .....	D	...	4.00
Nitrate, 25 lb jars .....	D	...	2.35
Oxide anhyd .....	D	...	4.20
Oxychloride, 25 lb bxs .....	D	...	4.00
Phenolsulfonate, 5 lb cans ..	D	...	3.55
Salicylate, 25 lb bxs .....	D	...	2.45
Subcarbonate USP, 25 lb bxs ..	D	...	3.95
X-Ray diag 1 lb bot .....	D	...	4.30
Subgallate, USP, 25 lb bxs ..	D	...	3.15
Subiodide, 5 lb lots .....	D	...	5.15
Subnitrate, USP, 25 lb jars ..	D	...	3.35
Second Hands .....	D	2.50	: 2.60
Cones, 1 lb bot .....	D	...	4.35
Subsalicylate, USP, 25 lb bxs D	D	...	3.55
Tannate .....	D	...	3.10

## THE CHEMICAL AGE

(LONDON)

A weekly journal devoted to Industrial and Engineering Chemistry.

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PRICES CURRENT SECTION



## Chemicals

<b>SILICON (Continued)</b>			<b>Butyl Acetate, tank cans, wks</b> .gal . . . . .			<b>CAMPOR (Cont.)</b>		
above on basis 25 lb lots.			Drums c-l wks . . . . .gal . . . . .			1 lb cake, 100 lb cs . . . . .lb . . . . .		
Smaller lots at an advance.			Aldehyde, 50 gal drums wks . . lb . . . . .			1 oz. tab., 1 lb ctns.,		
Tri-Bromophenol . . . . .lb	4.00		Propionate drums . . . . .lb . . . . .			100 lb cs . . . . .lb . . . . .		
Blanc Fixe, dry 400 lb bbls wks ton	80.00	80.00	Tartrate, drums . . . . .lb . . . . .			Jap. ref., 2 1/2 lb slate, 100 lb		
Imported, bbls . . . . .ton	70.00	72.00	<b>CADMIUM, metal 100 lb bbs</b> . . . . .lb . . . . .			1 oz. tab., 100 cs . . . . .lb		
Paste, 650 lb bbls c-l . . . . .	55.00	65.00	Bromide, 50 lb cases jars wks lb			1/2 oz. tab., 100 lb cs, 1 lb		
<b>BLEACHING POWDER, 700 lb drums</b>			Iodide, 10 lb bot. . . . .lb . . . . .			tins		
c-l wks contract, . . . . .100 lb	2.06		Sulfide, cs . . . . .lb . . . . .			Crude, 100 lb cs . . . . .lb		
le-l wks contract . . . . .100 lb	2.15		<b>CAFFEINE ALK. USE, 5 lb cans lb</b>			Camphor, liniment, bbls . . . . .gal		
le-l spot wks . . . . .100 lb	2.25		Second Hands . . . . .lb . . . . .			Camphor Monobrom, 100 lb cs . . lb		
le-l spot wks . . . . .100 lb	2.35		Citrate, 25 lb cans . . . . .lb . . . . .			Caramel, 50 gal bbls . . . . .gal		
300 lb drums, c-l wks, contract 100 lb	2.25		Hydrobromide, 1 lb bot . . . . .lb			Carbonazol, 250 lb bbls . . . . .lb		
c-l spot wks . . . . .100 lb	2.35		Hydrochloride, 1 lb bot . . . . .lb			Carbon Bisulfide, 500 lb drs 1st/NY lb		
le-l wks contract . . . . .100 lb	2.40		Sulfate 1 lb bot . . . . .lb . . . . .			c/l drums, NY . . . . .lb . . . . .		
le-l spot wks . . . . .100 lb	2.50		<b>CALCIUM, Acetate, 150 lb bbs c/l</b>			Carbon Black, c/l wks. bbs . . . . .lb		
Blood dried f.e.b. NY . . . . .unit	4.00	& .10	Arsenate, 100 lb bbls c-l wks lb			100-300 lb cases 1c/1 NY . . . . lb		
Chicago . . . . .unit	4.25	& .10	Bromate . . . . .lb . . . . .			Decolorizing 40 lb bbs c/l . . . lb		
S Am. Shipment . . . . .unit	4.15	& .10	Bromide, 100 lb cs . . . . .lb . . . . .			90 lb drums c/l . . . . .lb . . . . .		
<b>Blue Ointment, see Mercury</b>			Carbide 220 lb dr. c-l wks . . . lb			Carbon Dioxide, Liquid, 20-25 cy. lb		
<b>slates, bronze Chinese. Miami.</b>			Carbonate tech. 100 lb bags . . . lb			Tetrachloride, 140 lb drs del lb		
Prussian Soluble . . . . .lb	.31	.33	c/l . . . . .100 lb . . . . .1.00			Drums c-l delivered . . . . .lb		
<b>Blue Vitriol, see Copper Sulfate</b>			USP, precip. 175 lb bbls . . . lb			700 lb drs., single NY . . . . lb		
Bone S & 50 gr. steam Chgo . . . ton	30.00		Chloride, solid. 650 lb drs c/l			Carmine, No. 40, 5 lb boxes . . .		
Imp. . . . .ton	35.00		f.e.b. wks . . . . .ton 21.00			Casein, edib, 100 lb keg . . . . .lb		
Raw, NY . . . . .ton	34.00		Imp . . . . .ton 19.00			Tech. 200 lb bbls . . . . .lb		
Bone Ash, 100 lb kegs . . . . .lb	.06	.07	Flake, 375 lb drs, c/l dra. f.e.b.			100 mesh . . . . .lb		
Black, 200 lb bbls . . . . .lb	.08 1/4	.08 1/4	wks . . . . .ton . . . . .27.00			Castoreum, See Aromatic chemi-		
Borax, crys. 400 lb bbls . . . . .lb	.05 1/4	.05 1/4	Anhyd, 350 lb drs f.e.b. NY lb			cals, Perfumes, Sundries		
Powdered, 300 lb bbls . . . . .lb	.05	.05 1/4	Glycerophosphate, 250 lb bbls . . lb			Castor Oil, USP, 50 gal. bbls . . lb		
Keps. 100-150 lb . . . . .lb	.05 1/4	.06	Hydrate, see Lime . . . . .lb . . . . .			Cases, 80 lb 2 tins . . . . .lb		
Bordeaux Mixture, 16% pd. bbls . lb	.11 1/4	.18	Hypophosphite, USP, 25 lb cans lb			Tech see Fixed Oils		
Paste, bbls . . . . .lb	.08	.10	Iodide, 5 lb bot . . . . .lb . . . . .			Caustic Potash, see potash, caustic		
<b>Borneol, See Aromatic Chemicals</b>			Lactate, tech, 500 lb bbls . . . lb			Soda, see soda, caustic		
<b>Winstone, see Sulfur</b>			USP . . . . .lb . . . . .			Cellulose Acetate 100 lb cases . . lb		
<b>(Freight allowed)</b>			Nitrate, 220 lb bbls. c/l NY ton			ton lots . . . . .lb . . . . .		
British Gum com c-l . . . . .100 lb	4.17		Phosphate tech. 450 lb bbls lb			Cerium Oxalate, USP, 100 lb kegs lb		
le-l . . . . .100 lb	4.27		Phosphate, precip. tribasic, 200 lb			Chalk, drop 175 lb bbls . . . . .lb		
<b>Bromide, see potash, bromide, etc</b>			bbls, wks . . . . .lb . . . . .			Precip. light 250 lb bbls cals lb		
Bromine, bot. in 50 lb cs. wks . . lb	.45	.47	Phosphate, mono. 325 lb bbls lb			Precip. heavy 500 lb cals . . . lb		
Bromobenzene, 600 lb drums . . . lb	.80		Sulfocarbonate. 100 lb kegs . . lb			Bulk . . . . .ton		
Bromoform, USP, 5 lb bot cs . . . lb	1.65	1.85	<b>CAMPOR, Amer. ref. 150 lb</b>			Precip. English, 7 lb bags . . . lb		
Brucein Alkaloid, 100 cs . . . . .cs	.10		bbls . . . . .lb . . . . .			Precip. heavy 500 lb csks . . . lb		
Sulfate, 100 cs . . . . .cs	.10		2 1/2 lb slate, 100 lb cs . . . lb					
Second hands . . . . .cs	.08 1/4							

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The Most Satisfactory General  
Ethylating Agent

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Non Toxic

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Non Corrosive

Technical and C. P. Grades

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Telephones Vanderbilt 8700

## Chemicals

<b>CHARCOAL</b>			<b>Chrysarobin Powd.</b> 400 lb bbls ..b			3.50
.85%	Hardwood, lump, bulk wks ..bu	.18 : .19	Cinchonidin alk., powd 100 oz, time on	..	..	.68
.90	Spot, NY ..bu	.24 : .26	Crystal ..oz	..	..	.88
.72%	Wood, powd., 100 lb bbls ..b	.04 : .06	Cinchonidin Sulfate, 1000z time on	..	..	.85
.84	Willow, powd., 100 lb wks bbls ..b	.06 : .06 1/2	Resale, 1000z lots ..oz	.32	..	.33
.85	Chestnut, clarified, 25% tins, wks ..b	.01 1/2 : .01 1/2	Cinchonine alk. powd. 100 oz time on	..	..	.35
.86	Bbls, wks ..b	.02 : .02 1/2	Crystal ..oz	..	..	.43
.87	Powd. 60% 100 lb bags wks ..b	.05 1/2 : .05 1/2	Sulfate 100 oz time on ..oz	..	..	.35
.88	Decolorized bags wks ..b	.08 1/2 : .07	Citric Acid, see Acid Citric	..	..	..
.89	China clay, Don bulk wks ..ton	6.00 : 8.00	Citrine Ointment, see Mercury	..	..	..
.90	Washed & Ground, wks ..ton	11.00 : 15.00	Coal Tar, See Tars	..	..	..
.91	Imp., Filler Clay ..ton	15.00 : 23.00	Cobalt metal, 100 lb bags ..b	2.50	..	3.00
.92	Costing ..ton	20.00 : 25.00	Cobalt Oxide, 500 lb bbls ..b	2.00	..	2.10
.93	Chinoidin, 140 lb dra ..b	..	10 lb tins, 200 lb cases ..b	..	..	2.20
.94	Chloral Hydrate, USP 100 lb dra ..b	.60 : .65	COCAINE alk., USP, 1 oz. vial ..oz	..	..	10.57
.95	25 lb jars ..b	.68 : .70	Hydrochloride, USP—1 oz. vials	..	..	..
.96	Chloramine-T, 200 lb bbls ..b	1.35 : 1.50	25 oz ..oz	..	..	8.07
.97	Chloroform, 5 lb bot ..b	.55 : .65	In 1/2 oz. vials ..oz	..	..	8.50
.98	Chlorhydrin, Ethylene anhyd. 600 lb	..	In crystals, granular, powder,	..	..	..
.99	drums ..b	.75 : .85	r flaky crystals as desired	..	..	..
1.00	40% soln. 100 lb cys ..b	.25 : .30	Cocoa Butter, bulk, 200 lb bales	..	..	..
1.01	CHLORINE, Liquid, tank or multi-	..	c-1 ..b	.29	..	.31
1.02	unit car wks contract ..b	..	Fingers, cakes, etc., 12 lb bxs ..b	..	..	.37
1.03	Tank car spot wks ..b	..	CODEINE, alk., oz. vials 10 oz	..	..	..
1.04	Carlots cyl. wks, contract ..b	..	lots ..oz	..	..	0.87
1.05	spot, wks ..b	..	Hydrobromide, 1 oz. vials, 10 oz	..	..	..
1.06	1c-1 cyl. wks, contract ..b	..	lots ..oz	..	..	1.92
1.07	Spot wks, ..b	.08 1/2 : .09 1/2	Hydrochloride, 1 oz. vials, 10 oz	..	..	..
1.08	Chlorobenzene, mono, 100 lb dra	..	lots ..oz	..	..	7.42
1.09	wks ..b	.08 : .10	Nitrate, 1 oz. via 10 oz. lots ..oz	..	..	8.87
1.10	Dra. c/l wks ..b	..	Phosphate, 1 oz. vials, 10 oz	..	..	..
1.11	Tank car lots wks ..b	..	lots ..oz	..	..	7.42
1.12	CHLOROFORM, USP, 50 lb dra ..b	..	Salicylate, 1 oz. vials, 10 oz	..	..	..
1.13	Second Hands, 450 lb dra ..b	.25 : .27	lots ..oz	..	..	7.42
1.14	Technical, 650 lb drums ..b	.22 : .25	Sulfate, 1 oz. via 10 oz. lots ..oz	..	..	7.92
1.15	Chlorophyll, Oil Sol ..b	2.50 : 2.75	Small sizes, 1/2 oz. vials, 50c extra,	..	..	..
1.16	Water Sol ..b	3.75 : 4.00	1/4 oz. 30c extra, singles 7c extra	..	..	..
1.17	Chromium Acetate, 20% soln. 400 lb	..	per oz.—25 oz lots, 10c oz. cheaper	..	..	..
1.18	bbls ..b	..	than above. Less than 10 oz. 15c oz.	..	..	..
1.19	Fluoride, Powd., 400 lb bbls ..b	.24 : .26	CODLIVER OIL, Norwegian, 30 gal	..	..	38.50 : 42.00
1.20	Oxide, Green, bbls ..b	.34 1/2 : .35 1/2	bbls ..b	..	..	..
1.21	Chrome Green, CP ..b	.26 1/2 : .28	..	..	..	..
1.22	Comm. ..b	.06 1/2 : .11	..	..	..	..
1.23	Chrome Yellow ..b	.18 : .20	..	..	..	..
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2.00	..	..	..	..	..	..



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## Chemicals

Cuteh Rangoon 100 lb bales . . .	.22	Divi Divi Extract . . . . .	.04	new	Ethylene Glycol . . . . .	.30	.40
Tablets, 120 lb boxes . . . .	.13	Pods bag ship . . . . .	51.00	52.00	Tri Chloride . . . . .	.10	.10%
Borax solid, 100 lb bales . . .	.04%	Dover's Powder USP, 5 lb tin . .	.250	.250	Ethylideneamine . . . . .	.62	.65
Tanning . . . . .	.05%	Unobolone Sulfate, 1 oz. vial . .	.80	.07	Eucalyptol, 25 lb cans . . . .	.80	.80
Cyanamide, bulk c/l wts, Amm unit	1.90	EARTH, Diatomaceous, see Kieseglar			Feldspar, bulk . . . . .	20.00	25.00
Imp . . . . .	2.00	Eggs Yolk, 200 lb cs . . . . .	.53	.55	FERRIC CHLORIDE, tech. crys.		
Cyclohexanol, see Hexalene		Emetine alk., 15 gr. vials . . . .	1.30	1.30	475 lb bble . . . . .	.05	.06
Cymene, See Para-Cymene		Hydchlide, USP, 1 oz vial . . . .	17.00	17.57	Imported . . . . .	.04%	.05
Dextrin, white corn 140 lb bgs .		15 gr. vials . . . . .	.82	.82	C.P. crys. 100 lb bgs . . . . .	.10	.10
c-l . . . . .	3.87	Second hands . . . . .	16.50	16.50	Imported . . . . .	.06	.06%
bags c-l . . . . .	3.97	EPSOM SALT, tech. 300 lb bble.			Neut. Sol'n 42° 140 lb clys . .	.06%	.07
Canary . . . . .	3.92	NY . . . . .	2.15	2.15	46°, 140 clys . . . . .	.08	.08%
bags lc-l . . . . .	4.02	Bhls. c/l NY . . . . .	3.00	3.00	USP Sol'n 125 lb clys . . . .	.06%	.07
Potato, white, 220 lb bags 1c/1 lb	.08%	100 lb c/l NY . . . . .	1.50	1.75	Bromide, solution . . . . .	.55	.55
Yellow 220 lb bags . . . . .	.08%	Imp., 220 lb bgs. c/l . . . . .			Ferrous Bromide, sol'n . . . .	.55	.55
Tapioca, 200 lb bags 1/1 . . .	.07%	NY . . . . .	1.15	1.20	Chloride, crys tech 475 lb bble	.05	.06
DIAMINOPHENOL, 100 lb bgs . .	3.80	USP, 300 lb bble. 10 bble. 100 lb	2.50	2.50	Sulfide, 1000 lb bble . . . . .	2.50	3.00
Diamyl Phthalate drms wts . . .	4.00	Carlons, bble. . . . .	2.00	2.25	Fish Scrap, dried wks . . . . .	4.00	.10
Diamidide, 100 lb bgs . . . .	8.50	Imported, 400 lb bble. . . . .	1.55	1.90	Acid, Bulk. 7 & 3 1/2, Delit.		.50
Dibutyl Phthalate, wts . . . .	.40	100 lb bgs . . . . .	2.00	2.25	Acid, Bulk. 7 & 3 1/2, Delit.	4.00	.50
Dibutyl Tartrate, 50 gal drums	.55	Ergotin, Bonjean, 1 lb jars . . . .	6.00	6.35	Fish-Whale, see lead white		.90
Dichlorobenzene, 1900 lb drs . .	.06	Emetine alk., 1 oz vial . . . . .	30.87	30.87	Flavine Lemon 55 lb cs . . . .	.90	.95
Dichloromethane, Drums wts . .	.23	Salicylate, USP, 1 oz vial . . . .	24.00	24.50	Orange 70 lb cs . . . . .	.85	.90
Diethylamine, 400 lb drs . . . .	3.25	Sulfate, USP, VIII, 1 oz vial . .	18.00	18.50	Florespar, 95% 220 lb bgs, ex-		25.00
Diethylamine, 850 lb drs . . . .	.55	ETHEN, USP, 55 lb drums . . . .	.16	.19	dock . . . . .	.90	.95
Diethyl Carbonate, drms . . . .	1.85	Anaesthesia, 55 lb drums . . . .	.19	.45	98% bgs . . . . .	.90	.95
Diethyl Phthalate 25 lb cans . .	.40	USP, 1880 55 lb drums . . . . .	.45	.37	98% bgs . . . . .	.90	.95
1000 drs . . . . .	.35	Washed, 55 lb drums . . . . .	.37	.32	FORMALDEHYDE, USP 400 lb bble.		
Diethyl Sulfate tech. 50 gal drs .	.20	Motor 1 lb bottles . . . . .	.30	.32	c-l wts . . . . .	.09	.09%
CF drums . . . . .	.40	Ether, Nitrous, 1 lb bot. . . . .	.90	.95	Carboys 100 lb lc-l wts . . . .	.10%	.10%
Digitalin, Pure, 1 oz vial . . . .	0.75	Ethyl Acetate, 99% 50 gal drs gal	1.05	1.05	Bbbs 400 lb lc-l wts . . . . .	.09%	.09%
high test . . . . .	15.00	85% Ester, 100 gal drgal . . . .	.85	.82	Formaldehyde Aniline 100 lb drums	.39	.42
Dimethylamine 840 lb drs wts . .	.31	Carlons, drums . . . . .	.82	1.75	Fossil Flour . . . . .	.02%	.04
Dimethylamine, 400 lb drs . . . .	2.60	Refined, drums . . . . .	1.75	1.85	Formandine . . . . .	.38	.40
Dimethylsulfate, 100 lb drs . . .	.45	Aceto Acetate drums wts . . . .	1.00	1.00	Fuller's Earth, 300 lb bgs. c/l		
Dinitrobenzene, 400 lb bble . . .	.14%	Benzyl Aniline, 300 lb drs . . . .	1.05	1.10	mines . . . . .	15.00	17.00
Dinitrochlorobenzene, 400 lb bble	.15	Bromide, 115 lb drs . . . . .	.50	.50	Imported, 230 lb bgs, NY . . .	55.00	46.00
Dinitrochlorine, 300 lb bble . . .	.18	Butyrate cans . . . . .	1.10	1.20	Purifur, 300 lb bble . . . . .	.23	.25
Dinitrophenol, 350 lb bble . . . .	.23	Chloride, 200 lb drs, 15 lb cpl .	.25	.25	Fusel Oil, 10% Impurities drs gal	2.00	2.25
Dinitrophenol, 350 lb bble . . . .	.31	Lactate drums wts . . . . .	4.00	4.15	Refined . . . . .	3.25	3.50
Dinitrotoluene, 300 lb bble . . . .	.10	Methyl Ketone, 50 gal drs . . . .	.30	.31	Purific, solid 50 lb boxes . . . .	.20	.23
Dioxin, see Morphine, Ethyl		Morphine, see Morphine, Ethyl . .	.45	.55	Crystals, 100 lb boxes . . . . .	.20	.23
Diorthotoluidine, 275 lb . . . .		Oxalate drums wts . . . . .	.45	.55	Liquid, 51°, 600 lb bble . . . .	.09	.10
bble. . . . .	1.10	Ethylene Bromide, 600 lb drs . . .	.70	.75	Purific, sticks . . . . .	30.00	32.00
Diphenylamine . . . . .	.48	Chlorhydrin, anhyd. 50 gal. drs .	.75	.85	Chips . . . . .	.04	.05
Diphenylguanidine, 5,000 lbs . .	.95	40% Solution, 50 gal. bble . . .	.25	.30	G. SALT, paste 250 lb bble. basis	.50	.53
100 lbs . . . . .	.95	Dichloride, 50 gal drs . . . . .	.15	.20	10% . . . . .	.50	.53
		Tank cars . . . . .	.10	.10	Gall extract . . . . .	.30	.31

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Personal contact and prompt delivery are at our customers' service at every one of our distributing points.

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All Coefficients

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SHAMPOO BASE  
Sparkling Clear—Concentrated

CLIFTON CHEMICAL CO., INC.  
Clifton Bldg. 244 Front St., N. Y. C.



## Chemicals

Gambler 25% liq. 450D bbls..D	.12	: .14
Common, 200D cases.....D	.19%	: .20
Singapore cubes, 150D bags..D	...	: .23
Gelatin, USP silver bl. 100D csD	.60	: .65
Gold Label, 100 cases.....D	...	: 1.00
Technical, 100D cs.....D	.45	: .50
Pure Food, 50D bbls.....D	.55	: .60
Shells.....D	.53	: .55
GLAUBER'S SALT, tech. 200D bags		
e/l wks.,.....100D	1.10	: 1.20
le/l wks.,.....100D	1.35	: 1.45
350D bbls., e/l wks.,.....100D	1.25	: 1.35
Bbls. le/l wks.,.....100D	1.50	: 1.60
Imported, bags NY.....D	.80	: .90
USP, 500D bbls. Imp. sp. 100D	...	: 1.25
USP, 200D bbls. com. sp. 100D	...	: 1.75
USP, 200D bbls. e/l wks. 100D	...	: 1.40
Calined, see Sodium Sulfate		
Glucon, (Grape Sugar) dry, 100		
70° bags e-l NY.....D	3.14	: 3.24
80° bags e-l NY.....100D	3.24	: 3.34
Tanners' Speed 100D bags 100D	...	: 3.14
GLUE, pure white, bbls.....D	.32	: .34
Medium white, bbls.....D	.30	: .34
French, bbls.....D	.18	: .25
High Grade, bbls.....D	.35	: .40
Bone, regular, bbls.....D	.10	: .12
Fish, bbls.....gal	1.50	: 1.75
Hdls bbls.....D	.14	: .24
GLYCERIN, C.P. 550D drms..D	.25	: .26
Cans, 50D.....D	.27%	: .28
Dynamite 100D dr.....D	.23	: .24
Saponification tanks.....D	...	: .18
Soap, lye tanks.....D	...	: .15%
Gos Powder, see chrysarobin		
Granite, crude, 220D bags...ton	15.00	: 35.00
Flake, 500D bbls.....D	.05	: .09
Ground, imp., bbls.....D	.04	: .05
Gualacol liquid USP, 100D chys D	2.00	: 2.25
Crystals.....D	2.25	: 2.50
Benzoate, 1D bot.....D	...	: 13.00
Carbonate, 5D boxes.....D	2.50	: 2.75
Second Hands.....D	2.10	: 2.15

HAARLEM OIL, Dom. 6 gr cs gr	3.10	: 3.25
Imported 5 gr cases.....gross	...	: 3.65
Halazone 5 D bot.....D	2.75	: 3.25
NEMATINE, Paste, 500D bbls..D	.09	: .12
Crystals, 400D bbls.....D	.12	: .20
Hemlock, 25% 600D bbls. wks.D	.03%	: .03%
Hemlock, bark.....D	...	: 20.00
Hexachlorethane Drums wks.....D	...	: .45
Hexalene, 50 gal drs., wks.....gal	...	: 4.75
Hexamethylenetetramine, USP		
100D drums.....D	.60	: .62
Imported.....D	...	: .63
Rubber Makere, Impalp. Pd.		
dr.....D	.80	: .82%
Homotropine Hydrobrom. USP 1 oz.		
vials.....D	...	: 14.50
Five ozs., 1 oz vials.....D	...	: 13.50
Hydrastine, Alk., USP, 1oz vial..oz	20.50	: 21.00
Hydralide, USP, 1 oz vial.....oz	20.50	: 21.00
Second Hands.....oz	...	: 16.00
Sulfate 1 oz vial.....oz	22.50	: 23.00
Hydrastine Hydralide, USP 15 gr.		
vials.....D	...	: 14.57
Hydrazobenzene 100D kegs.....D	...	: ...
HYDROGEN PEROXIDE, 25vol. 400D		
bbls.....D	.07	: .07%
100 vol. 140D chys.....D	.32	: .34
USP Soln. 375D bbls.....D	.04	: .05
100 vol 145 chys.....D	...	: .44
USP bot. 4 oz. cases.....gross	7.75	: 8.00
Bot. 8 oz. cases.....gross	11.10	: 12.00
Bot. 16 oz. cases.....gross	15.25	: 16.00
Hydroquinone, 100D kegs.....D	1.40	: 1.50
Hyoscine Hydrobrom. USP 1 oz.		
vial.....D	...	: 12.57
Five oz., 1 oz vial.....D	13.07	: 13.57
Hyocyanine Alk Cryst, 1 oz vial..oz	...	: 25.07
Alkaloid, Amorphous, 1oz. vial..oz	...	: 25.07
Hydrobromide, USP, 1 oz. vial..oz	...	: 25.07
Sulfate, 1 oz vial.....oz	...	: 25.07
Hyperic, 51°, 600D bbls.....D	.12	: .15
Hyperic, chips.....D	.06%	: .07
Indigo, Madras, bbls.....D	1.25	: 1.30
20% paste drums.....D	.14	: .15
IODINE, crude 200D kegs.....D	4.20	: 4.25
Remblimed, 10D jars.....D	4.65	: 4.70

Iodine Tinct USP, 50 gal bbl..gal	...	: 4.85
Carbonyl.....gal	...	: 4.80
Second Hands.....gal	...	: 4.85
Crystals, 10D bot.....D	...	: 6.05
Iodides, see Potass. Iodide, etc.		
Iodoform, powd., 10D bot.....D	...	: 6.00
Iridium, metal 10 oz. lots.....oz	...	: 260.00
Iron, metal by hydrogen 1D botD	.63	: .70
IRON & AMM. CITRATE, USP 50D		
cans.....D	...	: .69
Green scales, 500 D a.....D	...	: .69
Bromide.....D	1.10	: 1.22
Cacodylate, 100D bot.....D	8.00	: 8.10
Citrate, USP VIII 25D cans.D	.94	: 1.01
Chloride, see Ferric or Ferrous		
Hypophosphite, 5D cans.....D	1.55	: 1.60
Syrup USP 5D, bot.....D	.35	: .36
Iodide, 1D bot.....D	...	: 4.23
Syrup, USP, 5D bot.....D	.35	: .36
Nitrate, kegs.....D	.09	: .10
Com'l, bbls.....100D	2.50	: 2.25
Oxalate scales, 25D cans.....D	.58	: .57
Oxide, red, Spanish.....D	.02%	: .03%
English.....D	.10	: .12
Perchloride, see Ferric Chloride		
Ammon, Oxalate, 25D bms D	.37	: .40
& Potassium Oxalate, 25D D		
bbls.....D	.40	: .43
& Sodium Oxalate, 24D bms.D	.32	: .35
Phosphate, USP, 50D.....D	...	: .69
Pyrophosphate, USP, 50D.....D	...	: .74
JALAP RESIN, lump, 5D tins..D	...	: 4.00
Powd, tins.....D	...	: 4.65
KIESELGUHR, 95D bags NY...ton	60.00	: 70.00
LANOLIN, see Adeps Lanæ		
Larch, 25%, 600D bbls wks..D	.03%	: .04
Powd., 100D bags, wks.....D	.08	: .09
LEAD, metal e-l NY.....D	...	: .09%
Acetate, white crystals, 500D		
bbls, wks.....D	.14%	: .15
100 to 250D kegs, wks.D	...	: .15%
White, broken, bbls, wks. 100D	...	: 15.00
White, gran bbls. wks. 100D	15.00	: 15.50
White, powd. bbls wks 100D	...	: 15.25
Brown, broken bbls wks..D	.13%	: .14

## Formic Acid

## Oxalic Acid

## Tartaric Acid



Chemische Fabrik  
Dr. Hugo Stoltzenberg  
Hamburg 28, Germany

## Eastman

## Tetraiodophenolphthalein

(Sodium Salt)

This salt is used to render the gall bladder opaque to x-rays—a technique which is coming in to more and more general use.

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Chemical Sales Department      Rochester, N. Y.

## Chemicals

LEAD ACETATE (Cont.)			LITHOPONE (Continued)			MANGANESE DIOXIDE (Cont.)		
USP, 100 lb bags	.19	.19%	Imported, 400 lb bbls	.05%	.08	Hydrated, precip. 100 lb bags	.15	.23
Aracetate, 100 lb bags	.13	.14	Litane Cubes	.00	1.00	Glycophosphate, 5 lb tins	2.90	3.00
Bbls. c/l wks	.12%	.13	Second hands	.00	.75	Hypophan USP VIII 5 lb vials	1.35	1.40
Bbls., 1c/l wks	.13	.13%	Logwood, 51° 600 lb bbls	.08%	.08%	Iodine, 1 lb bot	6.40	6.65
Paste, 100 & 600 lb bbls	.08	.09	Lower grades	.07%	.08	Ore, bulk, NY	.43	.44
Iodide, USP, VIII 5 lb bot	3.30	3.40	Solid, 50 lb boxes	.12	.15	Sulfate 550 lb drums NY	.07	.07%
Nitrate, 500 lb bbls. wks	.12	.12	LOGWOOD, sticks	26.00	27.00	Sulfate 400 lb bbls	.03%	nom.
Oxide, litharge, 500 lb bbls	.11%	.11%	Chips, 150 lb bags	.08	.08%	Mangrove, bark, African	ton	nom.
100 bags wks	.14%	.15%	Luminal, see Phenylethylmalonates			Shipment	ton	46.50
Oxide, red, 500 lb bbls, wks	.13%	.13%	Madder, Dutch	.30		Marble Flour, bulk	ton	10.00
100 lb bags wks	.12%	.12%	MAGNESITE calcined, 500 bbls	14.25	17.50	See also Calcium Carbonate		
Oleate, bbls.	.17%	.18	Magnesium, mil. sticks 100 lb c/l			MENTHOL, USP, 60 lb cases	8.65	9.00
Peroxide, 100 lb dcs	.25	.30	Wks	.85		Less case, 5 lb tins	.90	9.00
White, basic carb. 500 lb bbls.		.10%	Bromate	1.50		Synthetic	.80	8.00
Wks	.14%	.15%	Carb tech 70 lb bags NY	.06%	.06%	MERCURY, metal 75 lb flasks flask	90.00	91.50
100 lb bags wks	.14%	.15%	75 lb bbls NY	.08	.08%	Less flasks 5 lb jugs	.145	
White sulfate 500 lb bbls. wks	.14%	.15%	USP, 100 lb bbls	.09%	.10	Richloride, cryst. 25 lb bxs	1.31	
White sulfate 500 lb bbls. wks	.14%	.15%	English Blocks	.19		Gran. powd. 200 lb kegs	1.16	
White sulfate 500 lb bbls. wks	.14%	.15%	Chloride, fused 575 lb dcs. c/l		34.00	Bismulfate, 25 lb boxes	1.14	
White sulfate 500 lb bbls. wks	.14%	.15%	Flaked, 350 lb dcs. wks c/l		36.00	Blue Mass, 25 lb boxes	.74	
White sulfate 500 lb bbls. wks	.14%	.15%	Imp. Flake Sheet	30.50	31.00	Powdered, 25 lb boxes	.76	
White sulfate 500 lb bbls. wks	.14%	.15%	Imp. fused 900 lb bbls NY	29.00	30.00	Blue Ointment, USP, 25 lb cans	.99	
White sulfate 500 lb bbls. wks	.14%	.15%	Fluoridate, crystals 400 lb bbls.	.12	.15	USP, dilute 25 lb cans 30%	.74	
White sulfate 500 lb bbls. wks	.14%	.15%	Wks	.07	.07%	33% Mercury	.80	
White sulfate 500 lb bbls. wks	.14%	.15%	80% soln. 500 lb bbls. wks	.07	.07%	Calomel, 50 lb bxs	1.45	
White sulfate 500 lb bbls. wks	.14%	.15%	Soln. bbls, c/l wks	.06		Citrine Ointment 25 lb jars	.51	.52
White sulfate 500 lb bbls. wks	.14%	.15%	Glycophosphate, 5 lb tins	3.20	3.25	Iodine, green 25 lb jars	4.10	
White sulfate 500 lb bbls. wks	.14%	.15%	Hypophosphate, 5 lb cans	.105		Red, USP, 25 lb jars	4.20	
White sulfate 500 lb bbls. wks	.14%	.15%	Oxide, USP light, 100 lb bbls	.43		Yellow, USP, VIII 25 lb jars	4.10	
White sulfate 500 lb bbls. wks	.14%	.15%	USP, heavy, 250 lb bbls	.50		Oxide, Yellow, USP, 25 lb bxs	2.00	2.04
White sulfate 500 lb bbls. wks	.14%	.15%	Peroxide, 5 lb cans	2.40		Tech.	1.43	
White sulfate 500 lb bbls. wks	.14%	.15%	Perborate, 1 lb tins	2.22		Red Precip. USP, 25 lb bxs	1.56	
White sulfate 500 lb bbls. wks	.14%	.15%	Sulphate, 100 lb bags	.75	.80	Powder, USP, 25 lb bxs	1.66	
White sulfate 500 lb bbls. wks	.14%	.15%	Sulfate see Expon Salts			White Precip. USP, 25 lb bxs	1.67	
White sulfate 500 lb bbls. wks	.14%	.15%	Manganese Borate, 30%,			Powdered, USP, 25 lb bxs	1.72	
White sulfate 500 lb bbls. wks	.14%	.15%	200 lb bbls.	.24		With chalk, USP, 25 lb bxs	.74	
White sulfate 500 lb bbls. wks	.14%	.15%	100 lb bags	.25		Meta-Nitroaniline	.73	.77
White sulfate 500 lb bbls. wks	.14%	.15%	Chloride, 600 lb cans	.06	.06%	Meta-Nitro-para-Toluidine, 300 lb		1.85
White sulfate 500 lb bbls. wks	.14%	.15%	Dioxide, 80-84% 900 lb bbls.	80.00	85.00			
White sulfate 500 lb bbls. wks	.14%	.15%	NY	85.00	90.00			
White sulfate 500 lb bbls. wks	.14%	.15%	85-90%, 900 lb bbls. NY	85.00	90.00			

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## Chemicals

<b>Meta-Phenylenediamine, 3000 lb</b>		
bbls .....	.35	.00
<b>Meta-Toluylenediamine, 3000 lb</b>		
bbls .....	.73	.77
<b>METHANOL (Wood Alcohol)</b>		
95% tanks .....	.65	
Drums, c/l .....	.67	
Drums, lc/l .....	.62	
97% tanks .....	.57	
Drums, c/l .....	.59	
Drums, lc/l .....	.64	
Pure, Acetate free, tks .....	.65	
Drums, c-l .....	.68	
Drums, lc-l .....	.70	
Bbls, incl. 6c higher		
U.S. denat. grd., tanks .....	.65	
Drums, c-l .....	.68	
Drums, lc-l .....	.70	
Methyl Acetate drums .....	.95	
Methyl Acetone, 100 gal. drums .....	.83	.85
Tanks, raw .....	.80	
Chloride, 90 lb cpl. .....	.50	.55
Salicylate, USP, 50 lb cans .....	.43	
500 lb drums .....	.41	
Methylene Blue, tech. 100 lb kgs .....	1.30	1.30
USP, medicinal 5 lb cans .....	2.10	2.25
Milch's Ketone, 225 lb bbls .....	3.00	3.25
Milk, powd., 150 lb bbls .....	.14	.15
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Mineral Rubber .....	35.00	75.00
Mining Salts Drums .....	.33	
Monobromobenzene See Bromobenzene		
Monacetine, See Acetone		
Monochlorobenzene, see chlorobenzene		
Monethylaniline, 900 lb drs .....	1.05	
Monomethyl para-phenol sulfat.		
100 lb drs .....	2.95	4.20
MORPHINE ALK., USP 5 oz inc oz	9.20	9.30

<b>MORPHINE (Cont.)</b>		
Acetate, 5 oz tins 10 oz lots .....	7.35	
Hydrobromide, 5 oz. tins 10 oz		
lots .....	7.35	
Hydchloride, 5 oz tins 10 oz		
lots .....	7.35	
Ethyl Hydchloride 1/2 oz vis 10		
oz .....	8.85	
Small Sizes 1/4 oz vials, 50c extra		
1/4 & 3/8 extra; single oz. vial, 7c extra,		
over price for 5 oz. tins. 35 oz.		
lots in 5 oz. tins, 10c ea. lower than		
above schedule. Less than 10 oz. lots		
15c ea. higher than above schedule		
Mink Ambrette, 1 lb cans .....	10.50	11.75
Myrobalsans, 25% liquid bbls .....	.04	.04 1/2
50% solid, 50 lb boxes .....	.08	.08 1/2
Myrobalsans, bags J1 .....	49.00	50.00
R2 .....	44.00	
New Crop .....	40.00	42.00
J2 .....	42.00	
New Crop .....	38.00	40.00
<b>NAPHTHA, See Solvent Naphtha</b>		
<b>NAPHTHALENE, Flake, 175 lb bbls</b>		
wks .....	.05 1/2	.06
Bbls, c-l wks .....	.05 1/2	
Bbls, second hands NY .....	.05 1/2	
Balls, 250 lb bbls wks .....	.06 1/2	.07
Bbls c-l wks .....	.06 1/2	
Bbls second hands NY .....	.06 1/2	
Crushed, shipped, bgs. wks .....	.06	
Crude, imp. bags .....	.01 1/2	.02
<b>NICKEL</b>		
Ingot, 100 lb kegs .....	.34	
Chloride, bbls, kegs .....	.21	.24
Oxide 100 lb kegs. NY .....	.38	.40
Salt single 400 lb bbls NY .....	.08	.08 1/2
Double 400 lb bbls, NY .....	.08 1/2	.09
Sulfate, See Nickel Salt, single		
Nickel Metal, electrolytic 100 lb .....	34.00	
Nicotine, Free 40% 8 lb tins ea .....	1.10	1.20
Sulfate, 10 lb tins, 40% .....	1.10	1.35
<b>NITRATE SODA, spot, See Sodium Nitrate</b>		
Nitre Cake, bulk wks .....	4.50	5.50
500 lb bbls .....	13.00	14.00

<b>Nitrobenzene, crude, 1000 lb drs</b>		
wks .....	.09 1/2	.10
Redistilled, 1000 lb drs wks .....	.10	.11
Nitrogenous Material, bulk .....	3.70	3.75
Nitronaphthalene, 550 lb bbls .....	.25	
Nitrotoluene, mixed 1000 lb drs		
wks .....	.14	.15
<b>Nutgals see Crude Drugs</b>		
Oak bark, whole .....	20.00	22.00
Ground .....	45.00	50.00
Oak, tanks, wks .....	.08 1/2	
23-25% liq., 600 lb bbls wks .....	.04	.04 1/2
Solid, powd .....	.07 1/2	.08
Ochre .....	.08 1/2	
<b>Oil Fuel, see Fuel Oil</b>		
<b>OIL MINERAL, wh, 50 gal bbls gal</b>		
Russian .....	.80	.90
Oil Mirbane, see nitrobenzene		
Orange Mineral, 1100 lb casks NY .....	.14 1/2	
700 lb bbls NY .....	.14 1/2	
Ortho-Aminophenol, 50 lb kegs .....	2.15	2.25
Ortho-Anisidine, 100 lb drs .....	2.75	3.00
<b>Ortho-Dichlorobenzene, see Dichlorobenzene</b>		
<b>Ortho-Nitrochlorobenzene, 1200 lb</b>		
dr. wks .....	.32	.35
Ortho-Nitrophenol, 350 lb .....	.90	.95
Ortho-Nitrotoluene 1000 lb drs.		
wks .....	.13	.15
Ortho-Toluidine 350 lb bbls .....	.20	.25
Orange 51° liquid .....	.07	.07 1/2
Powd., 100 lb bags .....	.14 1/2	.15
Crystals .....	.16	.17
Oxgall, USP, 5 lb bot .....	1.75	2.50
Purified, 5 lb bot .....	2.00	2.50
Crude, 5 lb bot .....	1.00	1.25
<b>PALLADIUM, metal 10 oz. lots .....</b>		
100.00	80.00	81.00
Pancratia, USP, 5 lb bot .....	2.25	2.50
Papain, 10 lb bot. USP, Pwr. .....	4.25	4.50
Crude, 150 lb cases .....	4.00	4.15
<b>Paraffin w/d 200 lb ea. slabs</b>		
118-120 Dek M. P. .....	.08	.09
123-127 Deg. M. P. .....	.08 1/2	.09 1/2

**VICTOR CHEMICAL WORKS**  
CHICAGO, ILL.

**OXALIC ACID**

HIGHEST PURITY

BRANCHES:  
New York - Nashville  
St. Louis

1816 **CHEMICALS** 1925

"Over a Century of Service and Progress"

**Caustic Potash**  
(Ground, Broken and Solid)

**Isco Silver Talc**

**Permanganate Potash**  
(U. S. P. Crys.)

**INNIS, SPEIDEN & CO., Inc.**  
Manufacturers, Importers, Exporters of  
Industrial Chemicals

46 CLIFF STREET, NEW YORK

BRANCHES:  
Chicago  
Philadelphia  
Boston  
Cleveland  
Gloversville, N. Y.

FACTORIES:  
Niagara Falls, N. Y.  
Jersey City, N. J.  
Murphysboro, Ill.  
Owego, N. Y.



## Chemicals

<b>PARAFFIN (Cont.)</b>			<b>PARIS GREEN (Cont.)</b>			<b>Phthalic Anhydride, 100 lb. bbls.</b>		
122-123 Deg. M. F. ....	.07%	.07%	Packages, 5 and 2 lbs. ....	.23	.24	via ..... bbl.	.18	.30
123-127 Deg. M. F. ....	.08	.08%	Packages, 1 lb., 1/2 lb., 1/4 lb. ....	.35	.36	<b>PILOCARPINE HYDROCHLORIDE, USP 25 ca.</b>		
128-140 Deg. M. F. ....	.08%	.10	Paris White, see whitening French			lots, 1 ca. vials.....	4.00	4.50
Para-Aminocetamid, 100 lb.			Popain, USP, 5 lb. bot. 1:3000....	2.50	2.75	Nitrate, 25 ca. ....	...	4.00
hops ..... bbl.	1.00	1.05	1:6000 bottles ..... bbl.	5.00	5.25	Single, ca. ....	...	4.50
Para-Indolylamid, 100 lb. hops bbl.	1.10	1.15	1:10,000 bottles..... bbl.	8.35	8.50	Alkaloid, 15 gr. vials.....	...	.85
Hydrochloride, 100 lb. hops bbl.	1.55	1.80	Peptone, powd., 5 lb. .... bbl.	1.70	1.80	Pine Oil, vsm. dist. bbls.....	...	.60
Para-Dichlorobenzene, 150 lb. bbls.			<b>PETROLATUM, green 300 lb. bbls. bbl.</b>	.03%	.03	Destructive dist. .... bbl.	.63	.64
via ..... bbl.	.17	.30	Dark Amber, 300 lb. bbls. .... bbl.	...	.04%	Piperazine Hydrate, 1 lb. bot.....	...	15.00
24-50 lb. hops ..... bbl.	.15	.23	Light Amber, 300 lb. bbls. .... bbl.	...	.04%	Piperidine, 35 ca. ....	1.10	1.25
Paraldehyde, USP, 100 gal. drs. gal.	...	.45	Cream White, USP 300 lb. bbls. bbl.	.07	.07%	Pitch, Coal-Tar, vsm. .... ton	24.00	20.00
Tech. .... bbl.	...	.30	Lily White, USP, 300 lb. bbls. bbl.	...	.07%	Pitch, prime ..... bbl.	6.00	6.50
Para-Cymene, Refd., 110 gal. drs. gal.	2.35	2.50	Snow White USP, 300 lb. bbls. bbl.	...	.12%	Plaster Paris, tech. 250 lb. bbls. bbl.	...	3.30
Paraformaldehyde, USP, 100 lb. ca. bbl.	.42%	.45	Phenol, see also acid carbolic			True Dental, 300 lb. bbls. .... bbl.	...	4.50
Para-Nitrocetamid, 300 lb. bbls.	.50	.55	Makers 950 lb. drums spot .... bbl.	.21	.22	Platinum, metal soft 10 ca. lots. ca.	...	120.00
<b>PARA-NITROANILINE, 500 lb. bbls.</b>			Small drums 240-100 lb. .... bbl.	.23	.24	Podophyllin, 5 lb. bot. .... bbl.	4.50	4.75
via single bbl. .... bbl.	...	.53	Open market drums ..... bbl.	...	.21	Second Hands ..... bbl.	4.20	4.30
Para-Nitrochlorobenzene, 1500 lb. drs.			240 lb. dos. drs. vsm. .... bbl.	...	.23	<b>POTASH SALTS, rough</b>		
via ..... bbl.	.30	.33	Natural, 240 lb. dos. drs. vsm. .... bbl.	...	...	Pot. Muriate basis 80% bps .... ton	...	34.00
Para-Nitro-ortho-Toluidine, 300 lb. bbls.	2.75	2.35	Phenolphthalein, USP, 100 lb. drs. bbl.	1.50	1.40	Pot. Sulfate, basis, 90% bps. ton	...	45.55
Para-Nitrophenol, 185 lb. bbls. .... bbl.	.50	.55	5 lb. cans, 100 lb. bbls. .... bbl.	1.40	1.50	Pot. & Mag. Sulfate, basis 48% bps.	...	26.35
Para-Nitrodimethylamine, 120 lb. bbls.	.92	.94	Phenyl-Alpha-Naphthylamine 100 lb. hops	1.23	1.29	Manure Salts basis 30% bulk ton	...	18.00
Para-Nitrotoluene 350 lb. bbls. .... bbl.	.25	.27	Phenylethylmalonylurea, ca. pks. ca.	...	5.50	Manure Salts, basis 20% bulk ton	...	11.35
Para-oxo Benzaldehyde, 100 lb. hops	...	1.70	Phenone, 100 lb. cylinders ..... bbl.	...	...	Kainit, basis 12.4% bulk .ton	...	8.50
Para-Phenol, 500 lb. drs. .... bbl.	1.55	1.80	Phosphate Acid, 16% Bulk vsm. wmtl.	.00	.85	Bulk in bags, \$2.00 extra.		
Para-Phenylendiamine, 350 lb. bbls.	1.30	1.25	Phosphate Rock, f.o.b. mines			Prices c.i.f. Atlantic & Gulf Ports.		
Para-Toluene-Sulfonamide, 175 lb. bbls.	.40	.41	Florida Pebble 68% ..... ton	2.75	3.00	<b>POTASH, CAUSTIC, solid 85-92%</b>		
Para-Toluene-Sulfonchloride, 410 lb. bbls. vsm.	.18	.30	Florida Pebble 70% ..... ton	3.00	3.25	Dissolved, 50 tons. 5%; 500 tons 10%		
Para-Toluidine 350 lb. bbls. vsm. bbl.	.50	.60	Florida 72% ..... ton	3.75	4.00	700 lb. drs. vsm. .... bbl.	.07%	.07%
<b>PARIS GREEN</b>			Florida Pebble, 75-74% ..... ton	4.25	4.50	Imp. 32-32% 700 lb. drs. NYD.	.07%	.07%
Arsenic Basis, 500 lb. hops .... bbl.	.19	.30	Tennessee, 72% ..... ton	...	5.50	USP, by alcohol 5 lb. cans.... bbl.	.46	.48
Kegs, 100 lbs. .... bbl.	.21	.25	Phosphorus Oxichloride, 175 lb. cpl. bbl.	.85	.40	cases ..... bbl.	.30	.35
Ktn, 50, 25, 14 lbs. .... bbl.	.23	.33	Phosphorus, red 110 lb. ca. .... bbl.	.68	.70	<b>POTASSIUM Acetate, USP, 100 lb.</b>		
			Yellow, 110 lb. ca. vsm. .... bbl.	...	.32	hops ..... bbl.	.20	.30
			Imported, 110 lb. ca. vsm. .... bbl.	.35	.37%	Second Hands, hops ..... bbl.	.26	.33
			Phosphorus Trichloride, 175 lb. cpl. vsm.	...	.45	Mercurate, crys. 320 lb. bbls. bbl.	.09	.10
						Bichromate crys., 725 lb. cks. .... bbl.	.08%	.08%
						Powd., 725 cks., vsm. .... bbl.	.11	.12
						Nitrate, 300 lb. bbls. .... bbl.	.16	.18
						Import, 112 lb. bbls. .... bbl.	.18	.19

# MONSANTO

CHEMICALS — QUALITY  
**Monsanto**  
ST. LOUIS, USA

## MONSANTO SALICYLATES

The Standard

MONSANTO SALICYLATES are the standard among discriminating buyers because of their uniformity and purity.

Inquiries are invited regarding:



Acetyl Salicylate Acid (Aspirin)	Calcium Salicylate	Magnesium Salicylate
Salol	Sodium Salicylate	Strontium Salicylate
Salicylic Acid	Ammonium Salicylate	Potassium Salicylate

Manufactured by

### Monsanto Chemical Works

St. Louis, USA

New York
Chicago

## Chemicals

## POTASSIUM (Cont.)

Bimifate, C.P., 5 lb cans....D	...	.30
100 lb kegs.....D	...	.23
Bromate, 100 lb cs.....D	...	.85
BROMIDE, USP, cryst., 450 lb		
bbis.....D	.48	.49
Granular, 300 lb bbis.....D	.48	.49
Cases, 100 lb.....D	...	.50
Imported, USP, 220 lb cs D	.37	.39
Shipment.....D	...	.42 1/2
CARBONATE, 80-85% calc.		
800 lb cks.....D	.05 1/4	.05 1/4
80-85%, hydrated, 800 lb		
cks.....D	...	.05 1/4
90-95% calc. cases.....D	.06	.06 1/4
95-98% calc. cases.....D	.06	.06 1/4
99% calc. cases.....D	...	.07 1/4
USP, 100 lb kegs.....D	.11	.11 1/4
99% C.P. cases.....D	...	.13 1/4
Chlorate, crys., 112 lb bgs. c/l		
via.....D	.08 1/4	.09
Imp. 112 lb kegs NY.....D	.08 1/4	.08 1/4
Powd., 112 lb kegs, via.....D	.08 1/4	.09
Imp. kegs NY.....D	.08 1/4	.08 1/4
Gran. Imp. 112 lb kegs NY.....D	.10 1/4	.11
Pyrotechnic, low powd. NY.....D	...	.07
USP, fine powder, 110 lb kegs		
NY.....D	.14	.15
Crys.....D	...	.12
Gran.....D	...	.14
Chloride, crys bbis.....D	.08 1/4	.08 1/4
Citrate, USP, 50 lb.....D	...	.60
Cyanide, 110 lb cases.....D	.45	.50
Glycerophosphate, 75% Soln. 25 lb		
tins.....D	1.85	1.80
10 lb.....D	2.00	2.25
Hypophosphite, 10 lb cans.....D	.80	.85
Iodide, USP, 100 lb cases.....D	3.75	3.80
Lactophosphate 4 oz bot.....cs	...	.90
Metalbimifate, 300 lb bbis.....D	.10	.11
Imp., 550 lb bbis.....D	.00	.10

## POTASSIUM (Cont.)

Muriate, 80%, 200 lb bags, NY		
K <sub>2</sub> O unit.....D	...	.63
Nitrate, see Saltpetre		
Oxalate, neutral 225 lb bbis.....D	.19	.20
Perchlorate, 112 lb kegs.....D	.10 1/4	.11
PERMANGAN, USP, crys. 500 lb		
& 100 lb drs., via.....D	.16	.16
Imp. 112 lb drs.....D	.14	.15
Prussiate red, 500 lb casks.....D	.37	.38
Prussiate, yellow 500 lb casks D	.18	.18 1/4
Sulphate, 25 lb cans.....D	.60	.65
Sulfate, 200 lb bags, NY K <sub>2</sub> O unit		
USP, VIII 100 lb kegs.....D	...	.15
Sulfoxyanide, CP 25 lb jars D	...	.50
Tartrate, neutral, 100 lb kegs D	...	.51
Titanium Oxalate, 200 lb bbis D	.26	.28
Pumice Stone, lump, 250 lb bbis D	.04 1/4	.06
Lump, bags.....D	.04	.05
Powdered, 350 lb bbis.....D	.02 1/4	.03
Pyridine 50 gal drums.....gal	4.15	4.20
QUEBRACHO, 35% liquid tins.....D	.03	.03 1/4
450 lb bbis c/l.....D	.03 1/4	.04
35% bleaching. 450 lb bbis D	.04	.05
Solid 63%, 100 lb bales c&f D	.04 1/4	.04 1/4
Jan-June.....D	.04 1/4	.04 1/4
Clarified 64% bales.....D	...	.05
Jan-June.....D	.04 1/4	.05
Querciton, 51° 450 lb bbis.....D	.06 1/4	.07
Solid, 100 lb boxes.....ton	.10	.12
Quercitron bark, rough.....ton	...	14.00
Ground.....ton	34.00	35.00
QUICKSILVER, see Mercury		
Quinidine Alk., 100 oz. tins.....cs	.70	.75
Sulfate, 100 oz. tins.....cs	...	.50
Quinidine, see Chinoidin		
QUININE SULFATE, USP.		
American 100 oz tins.....D	...	.50
1 oz. tins 100 oz lots.....cs	...	.57
Dutch 100oz tins.....cs	...	.50

## QUININE SULFATE, USP.

Iava, 100' oz. tins.....cs	...	.50
Japanese, 100 oz. tins.....cs	...	.50
Resale.....cs	...	.47 1/4
Acetate.....cs	...	.88
Arsenate.....cs	...	.88
Benzoate.....cs	...	.88
Bismifate, USP.....cs	...	.45
Resale.....cs	.37	.41
Citrate.....cs	...	.62
Dihydride, USP.....cs	...	.46
Dihydride.....cs	...	.46
Dicarbonate, 13 oz. tins.....cs	...	2.50
Ethyl Carbonate, 16 oz tins.....cs	...	.70
Ferrocyanide.....cs	...	.58
Formate.....cs	...	.85
Glycerophosphate.....cs	...	.88
Hydride.....cs	...	.88
Hydrobromide, USP.....cs	...	.62
Hydrochloride, USP.....cs	...	.62
Hydrochlorosulfate.....cs	...	.66
Hydride & Urea, USP.....cs	...	.88
Hypophosphite.....cs	...	.88
Lactate.....cs	...	.78
Phenolsulfonate.....cs	...	.88
Phosphate.....cs	...	.74
Salicylate, USP.....cs	...	.63
Tannate, USP.....cs	...	.46
Tartrate.....cs	...	.88
Valerate.....cs	...	.80

Small Sizes: 1oz vials or cans,  
50oz. lots, 5c oz extra; 5oz. cans,  
50oz. lots 2c oz extra; 25oz. cans,  
50oz. lots, 2c oz extra; single 1oz.  
vials or cans, 5c extra. All minor  
quinine salts sold and quoted basis  
100oz lots in 100oz cans. Sulfate  
and bisulfate sold basis 100oz.  
lots in 100 oz cans. Smaller orders  
or containers: extra as above  
schedule.

# Selden Brand 99.99% Pure PHTHALIC ANHYDRIDE

SYNTHETIC RESINS. Selden Brand phthalic anhydride is playing a very important part in the development of glycerol-phthalate resins. Inquiries regarding this development work are solicited.

## THE SELDEN COMPANY

Pittsburgh, Pa., U.S.A.

## Chemicals

Quinone, 100 lb bags ..... lb	1.75	: 2.25	SALTPETRE, Double Refined			Contract, Basis 58% dense bags		
Red Lead, see lead oxide			Granular, 400-500 lb bbls			SODA ASH (Cont.)		
Red Precipitate, see mercury			c/l wks ..... lb	...	.061%	c/l wks, ..... 100 lb	...	1.45
Resorcinol, N.F., 5 lbs. (125,000) lb	2.95	: 3.50	Less c/l wks, bbls .. lb	...	.06%	Prmpt. and spot, Basis 58% bags		
Resorcinol, tech., 100 lb bags .. lb	1.30	: 1.55	Large Crystals, 350-400 lb bbls.			c/l wks ..... 100 lb	...	1.50
USP, 25 lb cans ..... lb	2.25	: 2.35	c/l wks ..... lb	...	.07%	SODA, CAUSTIC, 76% solid		
Socelle Salt, USP, 225 lb bbls lb	.20	: .20 3/4	Triple refined, Granular, 350 lb			1-4 drums deliv'd NY .. 100 lb	...	3.91
Imp. USP, 300 lb bbls .. lb	.19	: .19 3/4	bbls 1/c/l ..... lb	...	.08%	5 & Up drums deliv'd NY 100 lb	...	3.76
Sucrowater, triple, 5 gal. dems. gal	.85	: .90	Powdered, bbls c/l wks ..... lb	...	.07 3/4	Ground & Flake, 76%		
Sulfur, (Sold in 600 lb bbls, gross for net.)			Imported, 500 lb bbls. NY .. lb	...	.06 3/4	1-4 drums, deliv'd NY .. 100 lb	...	4.31
B ..... 280 lb	...	14.50	Santonin, USP, 1 lb bot ..... lb	130.00	: 135.00	5 & up drs deliv'd NY .. 110 lb	...	4.16
D ..... 280 lb	...	14.50	Powd. 1 lb bot ..... lb	132.00	: 137.00	1-4 bbls deliv'd ..... 100 lb	...	4.56
E ..... 280 lb	...	14.50	Saponin, refined, 5 lb tins ..... lb	1.25	: 1.50	5 & up bbls deliv'd ..... 100 lb	...	4.41
F ..... 280 lb	...	14.50	Crude ..... lb	1.00	: 1.25	Contract basis 76% c/l wks		
G ..... 280 lb	...	14.50	Satin White, 500 lb bbls ..... lb	...	.01 3/4	100 lb	...	3.10
H ..... 280 lb	...	14.50	Scopolamine, see hyoscine			Prmpt. and spot, Basis 76%		
I ..... 280 lb	...	14.50	Selditz Mixture, 225 lb bbls .. lb	.16%	: .16%	c/l wks ..... 100 lb	...	3.20
K ..... 280 lb	...	15.50	SILICA			Contract 74% low grade c/l		
M ..... 280 lb	...	15.50	Crude, bulk, mines ..... ton	6.00	: 7.00	wks, flat ..... 100 lb	...	2.93
N ..... 280 lb	...	16.10	Refined, fluted, bags ..... ton	18.00	: 30.00	Ground & flake, 76% prmt. and		
WG ..... 280 lb	...	16.40	Air fluted, bags ..... ton	32.00	: 50.00	spot, wks, c/l drs. 100 lb	...	3.60
WW ..... 280 lb	...	16.50	Extra, fluted, bags ..... ton	55.00	: 65.00	Contract 76% drums c/l wks,		
(Sold in 600 lb bbls net, quotations based on a unit of 280 lb)			Colloidal, 1 ton bot ..... cs	...	2.80	flat ..... 100 lb	...	3.50
Rosin Oil first run 50 gal bbls gal	...	.82	SILVER, metal American oz ..... ..	...	.60 3/4	USP, stick, 10 lb cans ..... lb	...	.21
Second run bbl ..... gal	...	.87	Iodide, 16 oz bot ..... oz	...	.69	Pure, stick, by alcohol ..... lb	...	.27
Roten Stone lump imp bbls .. lb	.67	: .68	Nitrate 16 oz bot ..... oz	...	.46 3/4	Soda Sal. see Sodium Carbonate		
Lump selected, bbls ..... lb	.09	: .12	Nucleinate 1 oz bot ..... oz	...	.41	Sodium Metal, 12 3/4 lb bricks .. lb	...	.27
Powdered bbls ..... lb	.02	: .05	Bulk ..... oz	...	.34	SODIUM ACETATE, crys. 450 lb bbls		
Domestic, bags mines ..... 24.00	: 30.00		Proteinates, 1 oz bot ..... oz	...	.36	Wks ..... lb	...	.05
SACCHARIN, USP, 10 lb cans, 25 lb			Bulk ..... oz	...	.29	Aluminate 500 lb bbls wks lb	...	.07 3/4
Soluble, USP, 10 lb cans, 25 lb lb	1.75	: 1.85	Soap, Castile, 40 lb bbs ..... lb	.20	: .30	Aluminum Sulfate, see alum. soda		
Saga, Flow, 150 lb bags ..... lb	1.75	: 1.85	Powd. USP, 250 lb bbls ..... lb	.28	: .30	Arsenic, 4 lb mat, wks drum gal	...	.60
Sol Ammoniac, see Ammon. Chloride			Green, USP, 150 lb kegs ..... lb	.07 3/4	: .08 3/4	Drums, 8 lb material, wks gal	1.00	: 1.20
Sol Soda, see Sodium Carbonate			Soapstone, see Talc. crus.			Benzonate, USP, 100 lb bbls .. lb	.50	: .55
Sulfur, USP, 1 lb cartons, 25 lb lb	5.00	: 5.25	SODA ASH, 58% light			Bicarbonate, 400 lb bbls, NY 100 lb	...	2.41
Sulfur, USP, 100 lb drums ..... lb	.90	: .90	1-4 bags, deliv'd NY .. 100 lb	...	2.19	Bbls c/l wks ..... 100 lb	...	2.00
Sulf. Commae, see sodium chloride			5 & Up bags deliv'd NY 100 lb	...	2.04	112 lb kegs c-l wks ..... lb	...	2.25
Sulf. Cake 94-96% c-l wks ..... ton	18.00	: 20.00	1-4 bbls, deliv'd NY .. 100 lb	...	2.44	112 lb kegs NY ..... 100 lb	...	2.66
Yellow, 87% wks ..... ton	16.00	: 18.00	5 & Up bbls deliv'd NY 100 lb	...	2.29	Bichromate, 600 lb cans wks lb	...	.06 3/4
			Contract, Basis 58% bags c/l	...	1.28	Casks, c-l NY ..... lb	...	.06 3/4
			wks ..... 100 lb	...	1.28	Chalk, NY ..... lb	...	.06 3/4
			Prmpt. and spot, Basis 58% bags	...	1.48	Bluifite, dry powder, 500 lb	...	.84
			c/l wks ..... 100 lb	...	1.48	bbls, wks ..... lb	...	.03 3/4
						Imported ..... lb	...	.03 3/4

Soda Ash

Bicarbonate of Soda

Caustic Soda

Modified Soda

Special Alkali



## QUALITY

The additional value in  
Diamond Alkalies that main-  
tains them as the Standard.



DIAMOND ALKALI COMPANY  
PITTSBURGH, PA.





**W**HEN the success of your product is dependent on a material purchased from another, it pays to *know* your principal.

There is no if, when, and why about **SOLVAY.**

Solvay 58% Soda Ash  
Dense—Light  
Solvay Fluf (Extra Light Soda Ash)  
Solvay 76% Caustic Soda  
Solid—Flake—Ground  
Solvay Super Alkali  
Solvay Snowflake Crystals  
(Trademark Registered)  
Solvay Laundry Soda  
Solvay Cleansing Soda  
Solvay Tanners Alkali  
Solvay Tanners Soda  
Solvay Liquid Caustic Soda  
Solvay Calcium Chloride 73%—75%



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## Chemicals

## SODIUM—(Continued)

Bromide, USP, 450 lb bbls..D	.48	: .49
Cases, 50 lb .....	.48	: .49
Imp. USP, 220 lb cases ..D	.42½	: .43
Bromate, 100 lb cr. ....D	...	: 1.19
Caedylate, USP, 25 lb ..D	5.90	: 6.10
Carbonate, Gal Soda 350 lb bbls.	1.30	: 1.35
lc/ NY .....	1.10	: 1.30
Monohydrate, 400 lb bbl.	...	: 2.40
lc/ NY .....	...	: .08
Pure photographic 100 lb ..D	.06½	: .06¾
Chlorate, 112 lb kegs, wts ..D	.06¾	: .06¾
Imported, 112 lb kegs .....	12.00	: 13.00
Chloride, tech. .... ton	.05	: .06
C. P., 300 lb bbls.....D	...	: .08
Chromate 300 lb bbl.....D	.52	: .54
Citrate, USP, IX, 50 lb bbls	.45	: .47
kegs .....	...	: .30
Cyanide 96-98% 100 & 250 lb drums	...	: .19
c-l wts .....	...	: .18
Imp. 95-97% 100 lb drums..D	.09	: .09¾
c-l .....	.08¾	: .09
Fluoride, 300 lb bbls., wts ..D	1.40	: 1.55
Imp. 700 lb cks .....	1.45	: 1.60
Powder, 25 lb tins .....	1.05	: 1.20
Solution, USP, 25 lb tins..D	...	: .05
Hydrazine, see Soda Caustic	...	: .34
Hypochlorite Soln, 100 lb cysb	.32	: .34
14½% soln, 50 lb cysb ..D	.30	: .35
Hydroxide, 200 lb bbls.f.o.b.wts.D	...	: .75
For Stripping, 50 lb cans ..D	...	
Hypophosphite, USP, 25 lb cans	...	

## SODIUM—(Continued)

HYPOSULFITE, tech. pes. crys.	2.65	: 3.05
375 lb bbls., wts..100 lb	...	: 2.50
Bbls., c/l wts. ....100 lb	2.80	: 2.90
100 lb kegs, wts .....	2.75	: 3.00
Imp .....	2.40	: 2.65
Regular crys., bbls. wts..100 lb	2.40	: 2.50
Bbls., c/l wts. ....100 lb	2.80	: 3.10
Kegs, wts .....	2.35	: 2.45
Imp .....	4.25	: 4.30
Iodide, USP, 25 lb jars.....D	.70	: .75
Metanilate, 150 lb bbls ..D	...	: 1.10
Molybdate 100 lb kegs .....	.55	: .57
Naphthionate, 300 lb bbls ..D	...	: 2.63
Nitrate crude, 95% 200 lb kegs	2.63	: 2.67
c-l NY .....	...	: .08¾
Dec-Jan Shipment NY 100 lb	...	: .05¾
Double Refined 400 lb bbls	...	: .09
gran. c/l wts .....	...	: .09
Powdered bbls c/l wts .....	...	: .27
Nitrite, 500 lb bbls spot makers	.20	: .23
Imp. 650 lb casks .....	.21	: .22
Ortho-Chloro-Toluene Sulfonate,	...	: .27
175 lb bbls., wts.....D	3.40	: 3.75
Oxalate, neutral, 100 lb kegs..D	.07	: .07¾
Perborate, 275 lb bbls ..D	.04½	: .05¾
Imp. 225 lb drs .....	.07¾	: .08
Peroxide, 200 lb cans .....	.30	: .31
Phosphate, di-sodium, tech. 550 lb	...	: 3.90
Bbls. ....100 lb	...	: .60
USP, gran. 275 bbls.....D	.08	: .09
Imp. gran .....	.10	: .10¾
USP, Crystal, 275 bbls..D	.10	: .10¾
More-sodium, 100 lb kegs ..D	.24	: .26
Tri-sodium tech., c-l bbls 100 lb	...	: .40
Picramate, 100 lb kegs .....	.39	: .40
Para-Toluene Sulfonate 175 lb	...	: .48
bbls. ....100 lb	...	
PRUSSIAN, yellow, 350 lb bbls.	...	
wts .....	...	
Imp 50 lb cks .....	...	
Pyrophosphate, 100 lb kegs ..D	...	
Salicylate, 100 lb kegs .....	...	
Second hands, USP, kegs ..D	...	

## SODIUM—(Continued)

Silicate, 40° turbid, tanks	...	: .75
Wts. ....100 lb	.85	: 1.10
55 gal. drums, wts..100 lb	...	: 1.10
40° clear, tanks, wts..100 lb	1.30	: 1.45
55 gal. drs., wts..100 lb	...	: .80
43° turbid, tanks, wts..100 lb	.90	: 1.15
55 gal. drs., wts..100 lb	...	: 1.25
42° clear, tanks, wts..100 lb	1.35	: 1.75
55 gal. drs., wts..100 lb	.04½	: .04¾
Sulfonate, 450 lb bbls. NY.D	.42½	: .43½
Stannate, 100 drums .....	...	: .03¾
Sulfate, see Glauber's Salt	...	: .02¾
Sulfate, Anhydrous, 550 lb bbls.	...	: .04
c-l wts .....	...	: .03¾
Imp., 250 lb bbls .....	...	: .04¾
Sulfide, 60% solid, 650 lb drs.	...	: .04¾
lc/ wts .....	...	: .03¾
Dr. c/l wts .....	...	: .04¾
Imp. 700 lb drs NY ..D	...	: .04¾
60% broken, 650 lb drs. wts..D	...	: .02¾
Dr. c/l wts .....	...	: .02¾
30% crys. 440 lb bbls. wts.D	.08¾	: .09¾
Imp. 400 lb bbls .....	.08¾	: .10
Sulfite, crys. 400 lb bbls. wts.D	.33	: .34
Anhydrous, 400 lb bbls.....D	.40	: .45
Sulfocarbonate, USP, 100 lb kegs	.75	: .80
Sulfocyanide, 400 lb bbls .....	...	
Tungstate, crys., 100 lb kegs ..D	...	
SOLVENT NAPHTHA, 110 gal	.40	: nom.
dr. wts .....	.35	: nom.
8,000 gal tank carswhegal	...	: .60
Spartein Sulfate, USP, 25 ozs bulk on	...	: .77
Single oz. vial .....	.01	: .01¾
Spruce, 25% liquid tanks, wts.D	...	: .01¾
bbls .....	.02	: .02¾
Powd. 50% 100 lb bags. wts.D	.09	: .10
Starch, rice, 140 lb bags.....D	...	



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## Chemicals

STARCH, powd, 140 lb bgs c-1 100 lb	3.22	
Bags 1c-1 100 lb	3.32	
Pearl, 140 lb bgs 100 lb	3.12	
Bags 1c-1 100 lb	3.22	
Potato domestic, 200 lb bgs-1 lb	.06	
Imported bags duty paid.. lb	.06 1/2	.07
Wheat, clean thick bgs .. lb	.06 1/2	.07
Thin bgs .. lb	.09 1/2	.10
Sol. Potato .. lb	.07	.07 1/2
STRONTIUM Bromide, USP, 50 lb		
kegs .. lb	.51	.52
Carb. N. F. 600 lb bbls. wks lb	.30	.30
100 lb kegs, wks .. lb	.08	.08
Iodide USP, 15 lb jars .. lb	.40	.40
Nitrate 600 lb bbls NY .. lb	.08	.08 1/2
Imp., bbls NY .. lb	.08	.08 1/2
Salicylate, USP, 100 lb kegs .. lb	.75	.80
STREYCHNINE Alkaloid, USP, crys.		
100 oz. tins .. lb	.61	.61
Japanese cases .. lb	.75	.75
Alk., powd. USP .. lb	.51	.51
Acetate .. lb	.55	.55
Glycerophosphate, USP, .. lb	.55	.55
Hydrobromide .. lb	.55	.55
Hydrochloride .. lb	.55	.55
Hypophosphate .. lb	.55	.55
Nitrate, USP, .. lb	.55	.55
Phosphate .. lb	.55	.55
Sulfate, USP, crys powd .. lb	.42	.42
Saccharate .. lb	1.15	1.15
Strychnine preparations quoted bases		
1000s lots in 1000s tins. Small sizes;		
1/2 oz vials, 50c extra; 1/4 oz vials, 25c		
extra; single ounce vials, 75c extra. Lots		
of 25 oz. 5c higher than above		
schedule. Lots of less than 25 oz.		
10c higher per oz.		
Sugar Coloring (See Caramel)		
Sugar MILK, USP, 200 lb bbls .. lb	.20	.21
Second Hands, USP, bbls .... lb	.18	.19
Sulfonal, sec Sulfonmethane		
Sulfonethymethane, USP, 10 lbs. lb	3.85	4.05
Sulfonmethane, USP, 10 lb bgs lb	2.65	2.85

SULFUR		
Crude, f.o.b. mines .. ton	15.00	16.00
Brimstone, 250 lb bags c/100 lb	1.95	2.15
Less c/1 bags NY .. 100 lb	2.05	2.35
Roll, 500 lb bbls. c/1 NY 100 lb	2.30	2.30
Less c/1 bags NY .. 100 lb	2.35	2.60
Flour, Heavy, bags .. 100 lb	2.70	2.95
Light 100% bags .. 100 lb	2.80	3.05
Rubbersnakers 100% .. 240 lb		
bbls, NY .. 100 lb	3.05	3.30
Commercial, 99% c-1 150 lb bgs		
NY .. 100 lb		1.40
For Disting, c-1 99% .. 100 lb		
bgs NY .. 100 lb		2.05
Flowers, 100% 155 lb bbls		
N Y .. 100 lb		3.35
Precipitated, 125 lb bbls. NY lb	.15	.17
Lac, 125 lb bbls. NY .. lb		.10
Sulfur Chloride, red, 700 lb drs.		
wks .. lb	.05	.05 1/2
150 lb chys wks .. lb		.08 1/2
Yellow, 700 lb drs wks .. lb	.03 1/2	.04 1/2
Sulfur Dioxide, 100 lb cyl .. lb	.08	.09
Iodide, USP, VIII, 5 lb bot. lb		4.55
Sulfuryl Chloride, 600 lb drs .. lb	.65	.70
Sumac, extract, liquid 450 lb bbls lb	.05	.06
C.P. 450 lb bbls .. lb		.10 1/2
Stainless, 600 lb bbls .. lb	.11	.11 1/2
Sumac, Sicily leaves 100 lb bags ton	130.00	nom.
Ground Shipment .. ton	110.00	112.00
Virginia, 150 lb bags .. ton	55.00	60.00
TALC, Italian 220 lb bags NY .. ton	40.00	50.00
Refined, white, bags .. ton	50.00	55.00
French, 220 lb bgs, NY .. ton	30.00	35.00
Refined, white, bags .. ton	39.00	45.00
Dom., crude, 100 lb bags NY .. ton	12.00	15.00
Refined 100 lb bags NY .. ton	18.00	18.00
Tankage, ground, NY .. unit	4.25	.10
High grade f.o.b. Chicago .. unit	3.25	.10
So. Am. c.i.f. .... unit	4.15	.10
Tapioca Flour, high grade bgs .. lb	.05 1/2	.06
Medium grade, bags .. lb	.04 1/2	.05
Low grade, bags .. lb	.03 1/2	.03 1/2
Tar Coke Oven, Tia. wks .. gal	.07	.08
Water Gas, Tia. wks .. gal		.08

Tar, kiln-burnt .. bbl	15.50	
Retort .. bbl	15.50	
Tartar Emetic tech., 700 lb bbls lb		.20
USP, 300 lb bbls .. lb	.31	.34
Tenallac 41, 100 lb drums .. lb		.65
Tenallac 69, 100 lb drums .. lb		4.80
Terpin Hydrate, USP, 100 lb bgs lb	.45	.47
Terpineol, CP, 1000 lb drums .. lb	.38	.40
Cans, 50 lb .. lb	.42	.45
Imported, cans 25 lb .. lb	.43	.46
Terpinyl Acetate, 25 lb cans .. lb	1.65	1.85
Terra Alba, No. 1, 300 lb bis 100 lb	1.85	1.90
Tetralene, 50 gal drs wks .. gal		1.45
Theobromine Alk., 5 lb cans .. lb	3.60	3.75
Sol. Salicylate, 1 lb bot .. lb		2.92
Tetocarbamid, 170 lb bbls .. lb	.24	.26
Thymol, USP, 25 lb tins .. lb	4.15	4.50
Iodide kegs .. lb	6.75	7.00
TIN, metal, Straits NY .. lb		.64
99% American NY .. 100 lb		.62 1/2
Bichloride, 50% soln. 100 lb		
bbls wks .. lb		.17 1/2
Crystals, 500 lb bbls wks .. lb		.43
100 lb kegs wks .. lb		.43 1/2
Iodide 5 lb boxes .. lb	.07 1/2	.07 1/2
Oxide 300 lb bbls wks .. lb		.66
100 lb kegs wks .. lb	.61	.63
Recovered bbls .. lb		.60
Tetrachloride, 100 lb drs wks .. lb		.36
Titanium Oxide, bbls, wks .. lb	.13	.14
Tolidine, 350 lb bbls .. lb	.90	.94
Sulfate, 350 lb bbls .. lb	.86	.85
Toluene, 8000 gal tank cars wks gal		nom.
110 gal drs wks .. gal	.40	nom.
Nitration, Tank cars, wks .. gal	.37	nom.
Drums, Wks, .. gal	.42	nom.
Non-corrosive, Tank cars, wks gal		nom.
Drums, wks .. gal	.41	nom.
Toluidine, Mixed, 900 lb drs wks lb	.31	.32
Toners, para red .. lb	.85	.90
Toluidine .. lb	1.75	1.80
Triacetin, 50 gal drs wks .. lb	.75	.80
Triphenylphenol, 100 lb cases .. lb		1.10
Trional, sec Sulfonethymethane		
Triphenylguanidine .. lb	.69	.73
Triphenyl Phosphate, 450 lb bbls lb		.75

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# Chemicals

Tripoli, 500 lb bbls	100 lb	2.50	3.00
Tungsten, NY	W0 unit	12.00	13.00
Turkey Red Oil, bbls single	lb	.11	.12
double	lb	.16	.18
Turpentine Spirits bbls	gal	1.08	1.11
Wood steam Dist., bbls	gal	.98	1.01
Ultramarine Blue	lb	.15	.25
UREA, pure, 112 lb cases	ton	.18	.30
Valonia Caps, 30-31% tan	ton	36.00	37.00
Beard 42% tan, bags	ton	55.00	57.00
Mixture, 36% tan bgs	ton	40.00	42.00
VANILLIN, USP, 500 oz cans	oz	.49	
Cans, 80 oz	oz	.50	
Cans, 16 oz	oz	.51	
Second Hands	oz	.47	.49
Vermilion Red	lb	.08	
Vermilion, Amer. 100 lb bags	lb	.28	.40
English, bags	lb	1.40	1.45
Veratrine Sulfate, 1 oz vial	oz	1.85	
Hydrochloride, 1 oz vial	oz	1.85	
Veronal, see Acid Methylarsobutir			
Vulcan, 250 lb bbls, wia	lb	.75	.79
Wattle Bark, bgs	ton	43.00	44.00
Extract 55% able bgs ex-dock	lb	.05%	
WHITE LEAD, see lead, white			
White Precipitate see barium			
Whiting, 200 lb bags, c/l wia 100 lb	ton	1.25	
Alba bags NY	ton	13.00	
Gilders, bags NY	ton	1.25	
French, bags NY	ton	14.50	19.00
English, bags, NY	ton	21.00	23.00
Paris White, bags	100 lb	1.30	1.50
White Hazel Extract, 50 gal. bbls gal	gal	1.05	1.10
XYLENE, 3° dist range nitration	110 gal drs NY	.70	nom.
o° dist. range, 8000 gal tanks	gal		
wia	gal	.55	nom.
110 gal drs wia	gal	.60	nom.
10° dist. range drms, wia gal	gal	.55	nom.
Tanks wia	gal	.50	nom.
Com'l 110 gal drs wia gal	gal	.41	nom.
Tanks, wia	gal	.38	nom.
Twilfite, crude	lb	.47	
Refined	lb	.40	.42

YARA YARA, 1 lb tins	lb	1.85	1.90
Yalumbis Hydride, 1 oz. vial	oz	2.15	4.00
Zenale	oz		3.00
Yolk Oil bbls	lb		.35
ZINC, METAL, high grade, slabs			
c-1 NY	100 lb	9.10	9.15
Ammonium Chloride, powd., 400 lb	lb		.06%
bbls	lb		.10
Carb. tech bbls NY	lb	.00%	.10
USP, 100 lb bags	lb	.20	
Chloride, fused, 500 lb drs. wia	lb	.07%	
Drx. c/l wia	lb	.06	
Granulated, 500 lb bbls wia	lb	.06%	.08
Imported dr NY	lb	.06%	.07
Solution, 50%, tanks wia 100 lb	lb	3.00	
USP, 25 lb jars	lb	.37	.39
Cyanide, 100 lb drs	lb	.40	.10
Dunk, 100 lb tins, wia	lb	.09	
500 lb bbls bags c/l wia	lb	.09	
500 lb bbls, bags, lc/l wia	lb	.09%	
Iodide, 5 lb bbls	lb	5.38	
Nitrate, 25 lb jars	lb	.45	
Oxide, Amer. Bags wia	lb	.07%	.07%
Amer 300 lb bbls wia	lb	.07%	.07%
French, 300 lb bbls wia	lb	.10%	.12%
Bbl. c-1 wia	lb	.10%	.12%
Bags, c-1 wia	lb	.10%	.12%
USP, 100 lb bbls c/l	lb	.14	
10-25 bbl lots	lb	.15	
5 bbl lots	lb	.16	
1 bbl lots	lb	.17	
Imported, white seal, bbls	lb	.12	.13%
Green seal, bbls	lb	.11%	.12
Red seal, bbls	lb	.10%	.11
Stearate, USP, 50 lb bbls	lb	.21%	.24
Small lots	lb	.23	.27
Second hands	lb	.20	.21
Sulfate, 400 lb bbls wia	lb	.03%	.03%
bbls, c/l wia	lb	.03	
USP 100 lb bbls	lb	.14	.15
Sulfide, 500 lb bbls	lb	.30	.32
Sulfocarbide, 100 lb bags	lb	.45	.50
Zirconium, oxide, pure	lb	.08	.10
Sand-ref'd, bgs	lb	.02%	.02
Natural, bgs	lb		

## Oils - Fats

Castor, No. 1, 400 lb bbls	lb	.15%	.16
80 lb cases	lb	.10%	.17
No. 3 bbls	lb	.15	.15%
Blown, 400 lb bbls	lb		.18
China Wood, spot NY	lb		.13%
Tanks Spot NY	lb		.12%
Coast, tanks	lb		.11%
Coconut, Ceylon, 375 bbls NY	lb		nom.
8,000 gal tanks NY	lb		nom.
Cochin, 375 lb bbls NY	lb		nom.
Tanks NY	lb		nom.
Marilla bbls NY	lb		nom.
Tanks, Pacific Coast	lb		nom.
Edible bbls NY	lb		nom.
Cod Newfoundland, 50 gal bbls gal	gal	.64	.66
Tanks, NY	gal	.58	.60
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags	lb	.05%	.08
Corn, ref., 375 lb bbls NY	lb	.13	.13%
Tanks	lb	.12	.12%
Crude tanks mills	lb		.09%
Bbls NY	lb	.12	.12%
Cottonseed crude this mill	lb		.10%
FSY 100 bbls NY Nov	lb	.10%	.10%
Dec-May	lb		.10%
White 100 bbls lots, NY	lb		.13%
Winter yellow, 100 bbls NY	lb	.13	.13%
Degras, Amer. 50 gal bbls, NY	lb	.04%	.04%
English, light, bbls, NY	lb	.05%	.05%
Brown, bbls, NY	lb	.04%	.04%
Light brown, bbls, NY	lb	.04%	.04%
Dark, bbls, NY	lb	.03%	.04
Neutral, bbls, NY	lb	.07%	.12
Moellon, bbls, NY	gal		.50
Greases choice white bbls NY	lb	.12	.12%
Yellow	lb	.09	.09%
Horse	lb		.08%
Brown	lb	.08%	.09

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Sodium Phosphate 98/100 Dibasic  
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## Oils - Fats

Herring, Tanks, Coast	gal	.40	nom.
Herw, 375 lb bbls, NY	lb	.10	nom.
Lard, prime steam, bbls	lb	.17%	.17%
Compounds, bbls	lb	.14%	.14%
LARD OIL edible prime	lb	.18%	.18%
Off prime bbls	lb	.15%	.15%
Extra bbls	lb	.14%	.14%
Extra, No. 1, bbls	lb	.14	.14
No. 1, bbls	lb	.13%	.13%
No. 2, bbls	lb	.13%	.13%
LINSEED, raw c-l bbls spot	lb	.128	.128
Five bbls raw	lb	.132	.132
Tanks, raw	lb	.120	.120
Bolled, 5bbl lots wks	lb	.135	.135
Double bolled 5 bbl	lb	.137	.137
Dec-Feb c-l wks	lb	.128	.128
March-Apr c-l wks	lb	.129	.129
Imported bbls, NY	gal	.11	.11
Tanks, NY	gal	.11	.11
Menhaden, crude tanks, Balt	gal	.55	nom.
Light pressed, bbls NY	gal	.72	.74
Yellow, bleached bbls NY	gal	.75	.77
Extra bleached bbls NY	gal	.77	.79
Blown, bbls, NY	lb	.10%	.10%
Neatsfoot 20° c.t. bbls NY	lb	.18%	.18%
Pure bbls NY	lb	.15%	.15%
Extra bbls NY	lb	.14	.14
No. 1, bbls NY	lb	.13%	.13%
Old Oils No. 1, bbls NY	lb	.13%	.13%
No. 2, bbls NY	lb	.12%	.12%
No. 3, bbls NY	lb	.11	.11
OLIVE deacidified bbls NY	gal	1.23	1.23
Edible, bbls, NY	gal	2.00	2.80
Foots bbls NY	lb	.09	.09
Shipments	lb	.09%	.09%
Palm Lagos, 1500 lb casks	lb	.09%	.09%
Niger casks	lb	.08%	.09
Bonny old Calabar, casks	lb	nom.	nom.
Palm Kernel bbl NY	lb	.10%	.11

Peanut refined bbls NY	lb	.15	nom.
Crude, mills buyers' tks	lb	.10	.10
Crude, bbls, NY	lb	.11	.11
Perilla, bbls NY	lb	.15%	.15%
Poppseed, bbls NY	gal	1.85	2.00
Rapeseed refined bbls NY	gal	.93	.95
Blown bbls NY	gal	1.16	1.18
Red Oil, distilled bbls	lb	.11%	.11%
Tanks	lb	.10%	.10%
Saponified, bbls	lb	.11%	.12
Tanks	lb	.10%	.10%
Salmon, 8000 gal. tks. Coast	gal	.50	nom.
Sardine, Tanks, Pacific Coast	gal	.55	.55
Sesame, edible, yellow bbls	lb	.13%	.14
White	lb	.16	.16%
Sod Oil, bbls, NY	gal	.40	.40
SOYA BEAN, crude tks, Pacific Cst	lb	.10%	.10%
Crude, tks NY	lb	.12%	nom.
Crude, bbls NY	lb	.13%	.13%
Refined, bbls NY	lb	.14%	.14%
Sperm, 38° c.t. bichd. bbls NY	gal	.87	.89
45° cold test, bichd., bbls NY	gal	.84	.86
STEARIC ACID, s.p. 200 lb bags	lb	.15%	.15%
Double pressed, bags distilled	lb	.15%	.16
Double pressed, bags saponified	lb	.15%	.16
Triple pressed, bags, distilled	lb	.18	.18%
Triple pressed, bags saponified	lb	.18	.18%
Stearine oleo, bbls	lb	.14%	.14%
Tallow edible, tierces	lb	.11%	.11%
City Extra loose	lb	.10%	.10%
Tallow Oil, acidless tks, NY	lb	.11%	.11%
Bbls c-l NY	lb	.12%	.12%
Walnut, crude bbls NY	lb	.76	.78
Whale, nat winter bbls, NY	gal	.78	.80
Blehd winter bbls, NY	gal	.80	.82
Extra Bich, bbls, NY	gal	.80	.82
Crude No. 1, tanks coast	gal	.80	.82
Crude No. 2, tanks coast	gal	.80	.82
Crude No. 3 tanks coast	gal	.80	.82

## Crude Drugs

ACONITE LEAVES, bales	lb	.09	.10
Root, USP, bags	lb	.28	.30
Agar Agar, 1, 200 lb bbls	lb	1.35	1.40
No. 2, bales	lb	1.30	nom.
No. 3 bales	lb	1.10	1.25
Agaric white, cases	lb	.90	.95
Granulated, boxes	lb	1.25	1.50
Almonds, bitter, boxes	lb	.55	.60
Sweet, boxes	lb	.65	.70
Meal, barrels, boxes	lb	.24	.28
Alstria Root, bags	lb	.36	.40
Alkanet Root, bags	lb	.08%	.10
Aloes, Barbados, 120 lb bbls	lb	.70	.75
Cape, 400 lb cases	lb	.13	.14
Curacao, 100 lb cases	lb	.11	.11%
Socotrine whole, 300 lb c	lb	.32	.32
Select, cakes, lb	lb	.36	.38
Althea Root Cut es	lb	.45	.50
Whole	lb	nom.	nom.
Grd. & Prd. bgs	lb	.50	.55
Ambergris, black boxes	lb	8.00	10.00
Grey, boxes	lb	.25	26.00
Ammoniac, tears, bags	lb	.75	.80
Angelica Root, 10m. bags	lb	.16	.17
Angostura Bark, bags	lb	.15	.20
Anise, Levant, bags	lb	.14%	.15
Russian bags	lb	.15	.18%
Star Case	lb	.15	.15%
Spanish bags	lb	.13%	.14
Annatto Seed, 200 lb bags	lb	.15	.18
ARABIC GUM.	lb	.24	.25
White, No. 1, 200 lb bags	lb	.22	.25
Secunda, 250 lb bags	lb	.22	.25
Sorba, Amber 200 bgs bbl	lb	.13%	.13%
Powd., USP, 300 lb bbls	lb	.21	.21
Area Nuts 150 lb bags	lb	.14	.20
Powd., 200 lb bbls	lb	.20	.31
Argolis, Red, grd. see Chemicals	lb	.13%	.14
Arnica Flowers, bales	lb	.13%	.14
Root, bags	lb	.13%	.14

## COD LIVER OIL

"A-A BRAND"

Brödr. Aarsaether A/S  
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Finest Lofoten Non-Freezing Medicinal Quality

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## Crude Drugs

Arrowroot, Amer. Powd, bbls....D	.10	.10%	Cassia Bataria, No. 3, bales...D	.11	.11%	Escampane Root, bags.....D	.08	.08%
Bernada, bbls.....D	...	...	China, Select rolls cases...D	.09%	.10	Elder Flowers, bags.....D	.09	.10
St. Vincent Powd. bbls.....D	.13	.14	Broken, bales.....D	.06%	.06%	Elemi Gum, 85 lb cases...D	.19	.20
Asafetida, USP, 250 lb cases...D	.24	.27	Buds, cases.....D	.24	.24%	Elm bark, select 5 lb bundles casesD	.24	.26
Powd., 50 lb bxs.....D	.45	.50	Cassia Fistula, baskets.....D	.07	.09	Grinding, bags.....D	.14%	.16
BALM GILEAD BUDS, bags.....D	.40	.42	Castile Soap, USP, powd., 200 lb	.20	.22	Powdered, bbls.....D	.21	.22
Balmory Herbs, bales.....D	...	.14	bars.....D	.03	.03%	ERGOT 150 lb 200 lb bags...D	.80	.85..
BALSAMS			Castor Beans, bags.....D	.03	.03%	Eucalyptus Leaves, bales.....D	.05%	.06
Copaiba, Para 80 lb cs.....D	.39	.40	Castoreum, See Aromatic Chemicals, Perfumes, Sui-			Euphorbia Filinifera Herb, bags..D	.08	.08%
South American 80 lb cs D	...	.42%	dries			Euphorbium Gum, cases.....D	.23	.27
Fir Canada, cases.....gal	11.00	13.00	Catnip Herb, bales.....D	.23	.26	Powdered boxes.....D	.28	.30
Oregon bbls cases.....gal	.95	1.20	Catechu Gum bags.....D	.11	.12	Fennel Seed, French, bags.....D	.08%	.09
Peru, 120 lb cases.....D	1.80	1.8%	Celery Seed, bales.....D	.25%	.26	German bags.....D	.12%	.13
Tolu, 120 lb cases.....D	1.30	1.40	Cerisin Wax, white bags.....D	.12	.30	Indian, bags.....D	.08%	.09
Bamboo Erier Root, bags.....D	.06	.07	Yellow, 200 lb bags.....D	.10	.12	Penugreek Seed, 300 lb bags....D	.05	.05%
Barberry Bark, tree bales.....D	.13	.15	Imp 100 lb bags.....D	...	.34	Fish Berries, 100-125 lb bags..D	.07	.07%
Root, bags.....D	.30	.32	CHAMOMILE FLOWERS, Roman			Flax Seed, whole, 180 lb bbls...D	15.00	15.85
Bayberry Bark, bales.....D	.10	.12	cases bales.....D	.20	.25	Ground, 180 lb bbls.....D	.08	.08%
Wax, bbls.....D	.21	.22	Hung. cases bales.....D	.10	.20	Fringe Tree Bark, bags.....D	...	.23
Belladonna Leaves, bales.....D	.24	.25	Charcoal, Willow powd bbls...D	.06	.06%	Fumigating Pastilles Black, 1 lb		
Root Bags.....D	.13%	.15	Wood, powd. bbls.....D	.04	.06	boxes.....D	...	...
Rees Wax, white cases.....D	.56%	.57%	Westnut Bark, bags.....D	.07	.08	Red, 1 lb boxes.....D	.45	.50
Yellow, refined, cases.....D	.46	.47	Herb, bales.....D	.06	.06%	GALANGAL ROOT, bags.....D	.09%	.10
Crude bags.....D	.42	.45	Chicle Gum 100 lbs.....D	.85	.90	Galbanum Gum, cases.....D	...	1.35
Bergoin Gum, Bham, boxes.....D	1.20	1.50	Chiretta, bales.....D	.07	.10	Gambier Gum, bbls.....D	...	.13
Sumatra 80 lb boxesD	.27	.28	Cinchona Bark, red quill bales..D	.65	.75	Gamboge Gum, 100 lb cases....D	...	1.00
Berberis Aquifolium Root, bags..D	.11	.13	Broken cases red.....D	.25	.29	Powdered cases.....D	...	1.25
Both Root, bags.....D	.22	.25	Yellow.....D	.24	.25	Gelesemium Root, bgs.....D	.09%	.12
Bitter Root, 100 lb bags.....D	.46	.48	Cinnamon, Ceylon No1, bales...D	.50	.51	Ginseng Root, bags.....D	.07%	.08
Blackhaw Bark, root bales.....D	.29	.32	No. 2, bales.....D	.48	.49	Ground, bbls., boxes.....D	.12	.13
Tree, bales.....D	.15	.16	No. 3, bales.....D	.47	.48	Powdered, boxes.....D	.12	.13
Black Indian Root, 100 lb bags..D	.40	.43	Civet, Abyssin horns.....D	1.35	1.50	Ginger African bags.....D	.15%	.15%
Blood Root, bags.....D	.12	.13%	Clover Tops bags.....D	.16	.17	Jamaica, grinding bags bbls..D	.17%	.18%
Blumling Root, bags.....D	.25	.27	Cloves, Zambiar 135 lb bales..D	.26	.26%	Japan, bags.....D	.20	.21
Soldo Leaves, bales.....D	.19	.23	Ambonyas, bales.....D	...	nom	Cochin, ABC & LEMON bgs...D	.13	.19
Bonest Herb, bales.....D	.08	.08%	Penang, bales.....D	.40	.42	Ginseng Root, cultivated, bags..D	8.00	10.00
Leaves, bales.....D	.09	.11	Cochineal, Black.....D	...	.58	Northwestern Wild, bags.....D	12.00	14.00
Borage Flowers, bales.....D	.17	.19	Silver.....D	.56%	nom.	Southern Wild, bags.....D	8.50	10.00
Bryonia Root, bags.....D	.11	.12	Oca Leaves, Huancayo bags....D	...	...	Golden Seal Root, bags.....D	4.40	4.70
AUCHU LEAVES, short, 350 lb			Trendlo, bags.....D	...	...	Powdered boxes.....D	4.90	5.10
bales.....D	.60	.65	Cobosh Root, Black bags.....D	.07%	.15	Grains of Paradise, bags.....D	.14	.15
Less bales.....D	.63	.65	Blue, bags.....D	.08%	.10	Grindelia Bobusta Herb, bales...D	.09	.09%
Long bales.....D	...	...	Colchicum Root, bags.....D	.06%	.07	Guaiac Gum, 80 lb cases powd. D	.41	.44
Buckbean Leaves, bales.....D	.11	.12	Seed, bags.....D	.16	.17	Guarana, time cases.....D	.65	.80
Buckthorn Bark, bags.....D	.06%	.07	Colocynth, Pulp USP bales.....D	.25	.26	GUM, see Arabic Gum, etc.		
Berries.....D	...	.50	Coltsfoot Leaves, bags.....D	.20	.25	HELLEBORE ROOT,		
Burdock Root, bags.....D	.09%	.10	Comfrey Root, bags.....D	.13	.14	Black, bbls.....D	.06	.07
Seed bags.....D	...	.50	Condurango Bark, bags.....D	.12%	.13	Powdered.....D	.13	.15
Burgundy Pitch, dom., 110 lb staves			Conium Herb, bags.....D	.11	.12	White, 250 lb bbls.....D	.09	.10
Gross for net.....D	.08	.09	Seed, bags.....D	.10	.11	Powdered.....D	.12	.15
Imported.....D	.10%	.11	Copaiba Balsam Para, see Balsams			Helonias Root, (uncura false)		
Calabar Beans bags.....D	.65	.70	Copal Gum.....D	.12	.13	bags.....D	.62	.65
Calamus Root, bleached, cases..D	.38	.38	Jorlander Seed, Bombay, bags..D	.06	.06%	Hemp Seed, bags.....D	.03%	.04%
Unbleached, bags.....D	.06%	.07	Morocco, bags.....D	.04%	.05%	Hembane Leaves, bales USP,....D	.24	.27
Calendula Petals Imp bales.....D	.80	.85	Bleached bags.....D	.08	.08%	No. assay.....D	.22	.26
Calisaya Bark, bales powd.....D	.35	.36	Corn Silk bales.....D	.07	.08	Henna Leaves, bales.....D	.08%	.10
Camphor, see Chemicals			Cotton Root Bark, bales.....D	.15	.16	Powdered.....D	.11	.13
Canary Seed, Morocco, bags.....D	.07%	.08	Cowhage, oz. tins.....D	...	1.00	Honey, Calif., 120 lb cases....D	.11	.12
Spanish bags.....D	.08%	.08%	Cramp Bark, so-called bales....D	.06%	.07	Hops, NY prime bale.....D	.26	.30
South American, bags.....D	.06%	.07%	True, bags.....D	.30	.32	Pacific Coast prime bales.....D	.25	.27
Dutch bags.....D	.06%	.07	Cranebill Root, bags.....D	.09	.10	Horehound Herb, bales.....D	.08	.08%
Candellilla Wax, bags.....D	.31%	.32	CUBEB BERRIES, XX bags.....D	.62	.65	Horse Nettle, Berries, bags....D	.35	.65
Canella, Alba Bark, bales.....D	.42	.45	Powdered, bxs.....D	.65	.67	Horsetail Rush, bags.....D	...	.15
Canella, true Imp. bags.....D	...	...	Culvers Root, bags.....D	.19	.20	Hydrangea Root, bales.....D	.09	.16
American (no assay) bales.....D	.22	.25	Cumin Seed, bags.....D	.11	.12	India Gum, see Karaya		
USP.....D	.35	.40	Malta bags.....D	.12	.12%	INSECT FLOWERS, open whole		
Cantharides, Chinese cases.....D	.78	.80	Morocco bags.....D	.11	.11%	Bales.....D	.17	.21
Powdered bags.....D	1.00	1.10	Cuttlefish Bone, Trieste, straps..D	.12%	.13	Closed, whole bales.....D	.24	.26
Russian, cases.....D	.60	.65	Jewellers large, straps.....D	...	.30	Powdered pure, 200 lb bbls...D	.25	.30
Powdered boxes.....D	.75	.80	Small, straps.....D	...	.35	Flowers and Stems, 50 p.c.		
Caraway Seed, African, bags....D	.07%	.08	French straps.....D	.12%	.13	200 lb bbls.....D	.19	.20
Dutch, 11 lb bags.....D	.06%	.07%	Powdered, boxes.....D	.08	.09	Ipecac Root, Cartagena bags...D	nom.	nom.
Cardamom, bleached cases.....D	2.50	2.80	Broken, boxes.....D	...	.07	Powdered, 200 lb bbls bxsD	2.75	2.90
Decorticated cases.....D	2.25	2.30	Damar Gum, Batavia, 136 lb cs D	.29	.30	Rio Whole, bags.....D	...	nom.
Green, grinding bags.....D	1.58	1.63	Singapore No 1, cs.....D	.40	.41	Powdered 200 lb bbls bxsD	nom.	nom.
Carnauba Wax, Flor., bags.....D	...	nom.	Damiana Leaves, bales.....D	...	nom.	Isinglass American, 130 lb cs..D	.75	.80
Powd.....D	...	nom.	Pandelion Root, Imp bags.....D	.18	.20	Russian (Beluga) bxs. ctos D	4.00	4.50
No. 1, Yellow bags.....D	...	.44	Deer Tongue Leaves bales.....D	.08%	.10	JABORANDI LEAVES, bales.....D	.10	.10%
No. 2, N Country bags.....D	...	.40	Digitalis Leaves, bales.....D	...	.25	Jalap Root, whole 150 lb bags D	.25	.30
No. 2, regular bags.....D	...	.42	Dill Seed, bags.....D	.08%	.09	Powdered, USP, 250 lb bbls..D	.32	.34
No. 3, N Country bags.....D	...	.40	Cleaned bags.....D	.15	nom	Japan Wax, 224 lb cs.....D	.17	.18
No. 3, chalky bags.....D	...	.40	Dogwood Bark, Jamaica, bags....D	.09%	.10	Job's Tears, White, bags.....D	.12	.13
Cassara, Amara 150 lb bales.....D	1.25	1.50	American, bales.....D	.07	.08	Juniper Berries, 125 lb bags..D	.05	.05%
So-called, bales.....D	.65	.70	Dogwood Root, USP, cut bags...D	.10%	.11	Stiffed bags.....D	...	.06
Cassara Sagrada, bales,			Dragons Blood, mass cases.....D	.70	.75	KAMALA USP, boxes.....D	.95	1.00
1923 bark.....D	.18	.20	Reeds, boxes.....D	.95	1.00	Karaya Gum, powdered, bbls...D	.10	.25
1924 bark.....D	.15	.16	ECHINACEA, Root, bags.....D	.29	.30			
1925 bark.....D	.13%	.14						
Cascarella Bark, quills, bales...D	...	1.25						
Shrimp, bbls.....D	...	...						
Cassia Bataria No. 1, bales.....D	.11%	.11%						
Shortstick, bales.....D	.10%	.11						



## Crude Drugs

Kauri Gum No. 1	lb	.68	.70	Marjoram Leaves, French, bales	lb	.55	nom.	Opium, Powdered, USP, case	lb	13.00	14.00
Kava Kava Root bags	lb	.16	.17	Chilian, bales	lb	.31	.32	Orange Flowers, cases	lb	.25	1.25
Cine Gum, black cases	lb	.55	.60	Mastic Gum, 120 lb cases	lb	.52	.60	Peel, bitter, bags	lb	.07	.08
Kola Nut, 150 lb bags	lb	.04%	.05	Matico Leaves, bales	lb	.11	.45	Sweet bags	lb	.11	.11%
Kosmo Flowers, bags	lb	.50	1.25	Mezeron Bark, bags	lb	.03%	.12	JARRIS ROOT, Florentine bold bags	lb	.09	.10
LADY SLIPPER ROOT, bags	lb	.45	.50	Millet Seed, dom., yellow bags	lb	.06	.04	Powdered 200 lb bbls	lb	.12	.13
Larkspur Seed, bags	lb	2.45	3.25	Montan Wax, crude bags	lb	.25	.07	Verona, bags	lb	.08	.10
Laurel Berries, bags	lb	.08%	.09	Bleached bags	lb	.08	.30	Powdered 200 lb bbls	lb	.11	.13
Leaves, Greek bags	lb	.05	.05%	Moss, Iceland, bales	lb	.13%	.08%	Fingers, cans	lb	.60	.62
Italian bales	lb	.04%	.05	Irish, bleached, bales	lb	.09	.15	Ockerite Wax, brown hard bags	lb	.24	.25
American, bales	lb	.25	.35	Ordinary, bales	lb	.25	.10	Green, hard bags	lb	.30	.31
Lavender Flowers, ordinary	lb	.28	.30	Mullein Flowers, tins	lb	18.00	17.00	Refined, yellow, bags	lb	.21	.25%
Selected	lb	.40	.45	Musk, pods, carbadine, tins	lb	22.00	25.00	PAPRIKA, bags	lb	.11	.13
Leeches tubs	Per 100	3.30	3.75	Tonquin tins	lb	25.00	26.00	rareira Brava Root, bags	lb	.15	.17
Lemon Peel, bags	lb	.07%	.08	Grain Cab tins	lb	55.00	38.00	Patchouli, Leaves bales	lb	.15	.16
Licorice Root, Russian whole bbls	lb	.12	.13	Tonquin tins	lb	.85	.90	Pellitory Root, bales	lb	.08	.09
Spanish, natural bales	lb	.05%	.07	Synthetic, see Chemicals	lb	.12	nom.	Peppercorn, Sing. bags	lb	.23%	.24
Powdered, bbls	lb	.08%	.10%	Mustard Seed Bari brown bags	lb	.07	.07%	White bags	lb	.34%	.35
Selected, 2 & 5 lb bundles	lb	.13	.16	Bombay, brown bags	lb	.09%	.09%	Aleppy, bags	lb	.26	.26%
Cuttings 125 lb bags	lb	.06	.07	California, brown bags	lb	.12	.12%	Lempong bags	lb	.27	.27%
Turkish, 150 lb bales	lb	.05	.06	Yellow bags	lb	.05%	.06%	Tellecherry, bags	lb	.35%	.36
Lime Juice, clarified bbls	gal	.60	.65	Chinese, yellow bags	lb	.10%	.11	Muntok, bags	lb	.18	.18%
Linon Flowers with leaves, bales	lb	.20	.21	English, yellow bags	lb	.08%	.09	Red Chillies Japan No. 1 bgs	lb	.10%	.10%
Without Leaves, bales	lb	.38	.42	Dutch, yellow bags	lb	.24	.25	Mombasa, bags	lb	.24	.40
Lobelia Herb, bales	lb	.60	.70	Danish, yellow bags	lb	.20	.22	Capicum, Bombay, bags	lb	.18	.20
Seed, bags	lb	.18	.25	Myrrh Gum, select, 200 lb cs	lb	.53	.53%	Peppermint leaves, imp, bales	lb	.18	.18
Lovage Root, Imported bags	lb	1.75	1.80	Sorts, cases	lb	.48%	.49	Domestic	lb	.60	.65
Lupulin, N. F. tins	lb	1.00	1.05	NUTGALLS, Chinese, bags	lb	.05	.06	Pink root, true bags	lb	.19	.20
Sands, No. 1 cases	lb	.95	1.00	Aleppy, bags	lb	.07%	.10	Pitch, Burgundy, see Burgundy Pitch	lb	.15	.17
Lycopodium, 88 lb cs	lb	1.03	1.05	Powd. bags	lb	.04%	.05%	Plantain Leaves, bales	lb	.09	.10
MACE, Siam, No 1	lb	1.05	1.10	OAK BARK, red bags	lb	.06	.07	Fleurist Root, bags	lb	.23	.25
Sands, No. 1 cases	lb	.88	.90	White, bags	lb	.10%	.12	Pink Berries, bags	lb	.35	.36
Batavia, No. 2, cases	lb	.92%	.93	Olfanum Gum, Sift 280 lb cases	lb	.22	.23	Root, .....	lb	.25	.25
West India, cases	lb	.40	.45	Tears, 280 lb cases	lb	12.00	13.00	Pomegranate Bark, of root bags	lb	.60	.65
Malva Flowers, blue bales	lb	.60	nom.	No. 1 all white 280 lb	lb	13.00	14.00	Opium, gum, USP, cases	lb	.45	
Black, bales	lb	.16	.20	cases	lb			Granular, cases	lb		
Manaca Root, bales	lb	.60	.62	No. 2 280 lb cases	lb						
Manna, large flake cases	lb	.45	.48	Powdered, 200 lb bbls	lb						
Small flake cases	lb	.12	.14	OAK BARK, red bags	lb						
Sorts, cases	lb	.50	.51	White, bags	lb						
Mandrake Root, bags	lb			Olfanum Gum, Sift 280 lb cases	lb						
Marjoram Leaves, German bales	lb			Tears, 280 lb cases	lb						
African, bales	lb			No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
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				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
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				No. 1 all white 280 lb	lb						
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				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
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				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
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				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags	lb						
				Olfanum Gum, Sift 280 lb cases	lb						
				Tears, 280 lb cases	lb						
				No. 1 all white 280 lb	lb						
				cases	lb						
				No. 2 280 lb cases	lb						
				Powdered, 200 lb bbls	lb						
				OAK BARK, red bags	lb						
				White, bags</							



## Crude Drugs

Poppy Seed, Dutch bags ..... D	.11 : .12	Savory Leaves, bales ..... D	.09½ : .10	Spruce Gum, boxes ..... D	1.00 : 1.50
German, bags ..... D	.09½ : .10	Saw Palmetto Berries, bags ..... D	.24 : .25	Squaw Vine, bales ..... D	.16½ : .19
Turkish, bags ..... D	.08½ : .09½	Scammony Resin, boxes ..... D	1.35 : 1.50	Squills, white ..... D	.05 : .05½
Blue Indian, bags ..... D	.08 : .09	Root bags ..... D	.07½ : .08½	Powdered bulk ..... D	.12 : .15
White Indian bags ..... D	.07½ : .08	Senega Root, bags ..... D	.70 : .75	Stavesacre Seed, bags ..... D	.30 : .31
Frickly Ash Bark, Southern, bags D	.15 : .19	SENNA, Alex 150 lb cases ..... D	.22 : .23	Sticklac, 250 lb bales ..... D	.35 : .40
Northern bags ..... D	.14 : .15	Half Leaf, 150 lb cases ..... D	.13 : .15	Stillingia Root, bags ..... D	.10 : .11
Berries bags ..... D	.50 : .65	Siftings, 400 lb bales ..... D	.09 : .11	Stone Root, bags ..... D	.09 : .10
Prince's Pine, bales ..... D	.16 : .17	Powdered, 200 lb bbls ..... D	.13 : .14	St. Ignatius Beans, bags ..... D	.13 : .14
Pulsatilla Herb, bags ..... D	.12 : .13	Tinnevely, Bold, 350 lb bbls ..... D	.14 : .17	St. John's Bread bags ..... D	.06 : .07
Pumpkin Seed, bags ..... D	.17 : .19	Medium Leaf bbls ..... D	.11 : .14	Stramonium Leaves, bales ..... D	.12 : .15
QUASSIA CHIPS, bags ..... D	.08½ : .07½	Small Leaf ..... D	.07½ : .11	Seed bags ..... D	.08 : .09
Quebracho, bk., 125 lb bbls ..... D	... : .55	Powdered, 200 lb bbls ..... D	.10 : .12	Strophanthus Seed, Hispidus ..... D	... : .
Queen of the Meadow Herb, bags D	... : .06	Pock, 350 lb bales ..... D	.13 : .17	Kombe bags ..... D	... : nom
Quince Seed, bags ..... D	.30 : .35	Serpentaria Root, bags ..... D	.80 : .85	Styrax, liquid artif. .... D	.35 : .40
RAPE SEED, South Amer. bags D	.06½ : .07	Shellac, D. C. bags ..... D	.73 : .75	Gen. USP. .... D	.45 : .60
Dutch, bags ..... D	.06½ : .06½	V.S.O. bags ..... D	.73 : .75	Sunflower Seed, domestic bags D	.05½ : .06½
Japanese, small, bags ..... D	.07½ : .08	Diamond I. bags ..... D	.73 : .75	South American, bags ..... D	.05 : .05½
Raspberries, dried bbls ..... D	.56 : .65	Superfine, Orange bags ..... D	.53 : .55	TAGALDER BARK, bags ..... D	.05 : .06
Red Saunders, bags ..... D	.08½ : .09	T.N. bags ..... D	.50 : .52	Tamarinde, bbls ..... D	.05½ : .06
Rhatany Root bags ..... D	.10 : .12	Garret, A. C. .... D	.51 : .52	Keps ..... per keg	3.75 : 3.80
RHUBARB, Root H. D. cases ..... D	.35 : .38	sutton bags ..... D	.76 : .76	Tansy Herb, bales ..... D	.18 : .19
Powd. bbls., ..... D	.42 : .45	Bone Dry, bbls ..... D	.58 : .60	Tar, Barbadoes, 50 gal bbls ..... D	1.40 : 1.45
Rosemary Leaves, bales ..... D	.05½ : .06	Sideritis Herb, cut bags ..... D	.15 : .18	Thus Gum, 280 lb bbls ..... D	.10½ : nom.
Flowers, cases bales ..... D	.35 : .40	Simaruba Bark, bales ..... D	.08 : .09	Tilia, see Linden	
See Petals, pale ..... D	.37 : .30	Skullcap Leaves, Eastern bales D	.47 : .48	Thyme, Spanish bales ..... D	.08½ : .09
Red ..... D	1.75 : 2.25	Western bales ..... D	.24 : .26	French, bales ..... D	.08½ : .09
Rue Herb, bales ..... D	.18 : .20	Skunk Cabbage Root, bales ..... D	.18 : .16	Tolu Balsam, see Balsams	
SABADILLA SEED, bags ..... D	.25 : .30	Snake Root, Canada, natural bags D	.29 : .32	Tonga Bark, bags ..... D	... : nom
Powdered bbls ..... D	.27 : .35	Stripped bags ..... D	.65 : .70	Root bbls ..... D	... : nom
Saffron Flower, Amer Bales ..... D	.45 : .60	SOAP BARK, whole, 150-200 lb		Vine bbls ..... D	.75 : .80
Valencia, 1 lb cans ..... D	35.00 : 38.00	bales ..... D	.10 : .12	Tonka Beans, Angostura, cases D	2.00 : 2.10
Sage, Dalmatian bales ..... D	.05 : .05½	Cut, 125-175 lb bags ..... D	.09½ : .09½	Para, cases ..... D	.85 : .90
Greek, bales ..... D	.02½ : .03½	Crushed, 200 lb bbls. .... D	... : .11½	Surinam, cases ..... D	.85 : .90
Spanish, bales ..... D	.03 : .03½	Powdered, bgs bbls ..... D	... : .13	Tragacanth Gum, No. 1 ribbon	
Sandalwood, chips, bags ..... D	.16 : .19	Spearment Leaves, American bales D	.25 : .27	100 lb cs ..... D	1.55 : 1.60
Ground, bags ..... D	.31 : .33	Herb, bales, ..... D	... : .17	No. 2 ..... D	1.25 : 1.45
Sandarae Gum, 300 lb bbls ..... D	.40 : .42	Spermeceti, blocks, cakes cases D	.38 : .42	Powdered, 50 lb boxes ..... D	.90 : 1.00
Sarsaparilla Root, Honduras, bales D	.67 : .70	Sphenard Root, bags ..... D	.15 : .17	Turkish, cases ..... D	.45 : .90
Mexican ..... D	... : nom.				
Jamaica bbls, ..... D	.32 : .40				
Sansefras Bark, ordinary bales D	.15 : .17				
Select, bales ..... D	.27 : .29				

# Glycerophosphates

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## Essential Oils

Turmeric Root, Madras bags .... lb	.09	.09%
Aleppy bags ..... lb	.09	.09%
Powdered ..... lb	.13	.14
China, bags ..... lb	.09	.09%
Purpentine, Venice true 80 lb cs lb	.35	nom.
Artificial, 80 lb cases ..... lb	.17	nom.
Spirits, see Naval Stores		
WICORN ROOT, false, see Helonias		
True, see Aletris		
Ova Ursi Leaves, bales ..... lb	.05	.05%
VALERIAN ROOT, Belgian bags lb	.33	.35
Vanilla Beans Mex., whole cases lb	7.00	9.00
Cuts, cases ..... lb	5.00	6.50
Bourbon, cases ..... lb	3.00	4.00
South American, cases ..... lb	4.50	6.00
Tahiti, yellow label cases ..... lb	2.90	3.00
Green Label, cases ..... lb		
Vetiver Root, 100 lb bags ..... lb	.35	.26
White Flowers, bags ..... lb	.83	.95
WAROON BARK, of root bags ..... lb	.72	.80
Of Tree, bags ..... lb	.30	.32
White Pine Bark, rosed, bags ..... lb	.07	.07%
White Poplar Bark, bags ..... lb	.06	.07
Wild Cherry Bark, thin green		
Rosed, bales ..... lb	.12	.13
Thick Rosed, bales ..... lb	.06%	.07
Thin Natural, bales ..... lb	.08	.09
Thick Natural, bales ..... lb	.10	.11
Willow bark, bags ..... lb		.08
White, bags ..... lb		.15
Witch Hazel Bark, bgs ..... lb	.07%	.09
Leaves, bales ..... lb	.08%	.09
Worm Seed, American, bags ..... lb	.08	.08%
Levant, bags ..... lb	3.25	3.50
Wormwood Herb, imported bales lb		.10
Yacca Gum, red ..... lb	.04	.04%
Ground ..... lb	.05%	.06%
Yellow Root (Zanthoxyla) bgs ..... lb	.16	.17
YELLOW DOCK ROOT, bags ..... lb	.12	.14
Yellow Parilla Root, bags ..... lb	.16	.17
Yerba Mate bags ..... lb	.22	.30
Yerba santa, bags ..... lb	.10	.11
Zedoary Root, bags ..... lb	.06	.08

## Essential Oils

Almond, Bitter, USP, 5 lb bot. .... lb	3.00	3.25
Bitter ff PA 5 lb bots ..... lb	3.15	3.35
Sweet, 56 lb cans ..... lb	.90	1.10
Apricot, Kernel, 50 lb cans ..... lb	.55	.60
Amber, crude, 25 lb tins ..... lb	.50	.55
Rectified, 25 lb tins ..... lb	.75	.82
Angelica Root, 1 lb bot ..... lb	25.00	30.00
Anise Tech., 66 lb case ..... lb	.65	.68
USP, 60 lb cans ..... lb	.68	.72
Bay, 25 lb tins ..... lb	2.15	2.25
Terpenesless ..... lb	6.00	6.50
Bergamot 25 lb coppers ..... lb	5.25	5.75
Terpenesless ..... lb	10.00	14.00
Artificial, 25 lb cans ..... lb	2.00	2.20
Birch Tar, rect. 5 lb bot. .... lb	.50	.60
Crude, 50 lb tins ..... lb	.20	.25
Bois de Rose, tins ..... lb	3.25	3.50
Cade, 25 lb cans ..... lb	.30	.35
Cajuput, native, 50 lb tins ..... lb	.75	.80
Calamus, 5 lb bot ..... lb	3.75	4.00
Campbor, Sassy 1000 lb drs ..... lb		.14%
White, 1000 lb drs ..... lb	.11%	.12
Cans, 50 lbs ..... lb	.14	.14%
Cananga, native, 25 tins ..... lb	2.50	2.60
Rectified, 25 lb tins ..... lb	3.00	3.40
Caraway, USP, ..... lb	1.60	1.70
Cardamom, USP, 1 lb bot ..... lb	40.00	45.00
Carvol, 5 lb bot ..... lb	8.75	9.75
Cascarilla, USP, 1 lb bot ..... lb	50.00	52.00
CASSIA, 80-85% 400 lb drs ..... lb	2.75	2.80
Redistilled USP, 50 lb cans ..... lb	3.35	3.60
Cedar Leaf, 50 lb tins ..... lb	.80	.90
Cedar Wood, light 1000 lb drs lb	.55	.57
Celery, 1 lb bot ..... lb	9.50	10.00
Chaulmoogra, 80 lb cans ..... lb	.85	.90
Cinnamon, Ceylon, 1 lb bot ..... lb	10.50	11.00
Leaf, 5 lb bot ..... lb	1.40	1.50

## CITRONELLA, Ceylon

1,000 lb drums ..... lb	.46	.47
50 lb tins ..... lb	.48	.50
Java, 400 lb drums ..... lb	.88	.90
50 lb tins ..... lb	.90	1.00
Cloves, USP, 50 lb cans ..... lb	1.85	1.90
6 lb bot ..... lb	1.95	2.00
Copaiba ..... lb	.40	.45
Coriander, USP, 1 lb bot ..... lb	9.00	9.50
Croton, USP, 25 lb tins ..... lb	.80	1.00
Cubeba, USP, 5 lb bot ..... lb	4.50	4.75
Cumin, 1 lb bot ..... lb	10.50	11.00
Dill, 25 lb cans ..... lb	3.75	4.00
Erigeron 20 lb tins ..... lb	6.50	7.00
EUCALYPTUS, Austl. USP,		
56 lb cs ..... lb	.55	.56
500 lb drums ..... lb	.55	.56
Fennel, USP, 25 lb tins ..... lb	.80	.85
Geranium, African, 25 lb cans lb	5.00	5.25
Bourbon, 25 lb tins ..... lb	4.00	4.50
Ginger, 28 lb tins ..... lb	3.50	3.75
Ginger, 1 lb bot ..... lb	10.00	10.50
Gingergrass, 25 lb tins ..... lb	2.50	2.75
Hemlock, 25 lb tins ..... lb	.80	.85
Juniper Berries, USP, 25 lb tins lb	2.25	2.45
Wood, 50 lb tins ..... lb	.50	.60
Lavender USP, 28 lb tins ..... lb	5.00	5.50
Spike, Spanish, 50 lb cans ..... lb	1.10	1.50
LEMON, Ital USP, 25 lb cans ..... lb	2.00	2.30
Terpenesless ..... lb	8.00	10.00
American, USP, 25 cans lb	1.80	2.00
Lemongrass, native 50 lb cans ..... lb	1.00	1.10
Limes, expressed 25 lb tins ..... lb	5.75	6.00
Distilled, 25 lb tins ..... lb	2.35	2.60
Linaloe Mex., 80 lb cases ..... lb	3.00	3.25
Mace, distilled, 50 lb tins ..... lb	1.80	1.85
Mirbane, ref., Aromatic Chemicals		
Mustard, USP, 1 lb bot ..... lb	14.00	14.25
Artif, USP, 5 lb bot ..... lb	2.10	2.25
Neroli, Bigarde 1/2 & 1 lb bot. .... lb	75.00	100.00
Petale, 1 lb bot ..... lb	100.00	125.00
Artificial, 1 lb bot ..... lb	10.00	20.00

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## Essential Oils

Nutmeg, USP, 25 lb tins	1.80	1.85
Orange, bitter, 25 lb tins	2.65	2.75
Sweet W Ind, 25 lb tins	2.65	2.85
Italian, 25 lb cop	2.85	3.25
American, 25 lb tins	2.70	2.80
Distilled, 25 lb tins	1.70	1.75
Spanish, 25 lb tins	2.75	2.80
Origano, 50 lb cans tech	.25	.28
Parley, 1 lb bot	3.50	3.60
Patchouli, 5 lb bot	4.50	5.00
Peppermint, dom., 25 lb tins	2.50	2.75
Imported, 25 lb tins	2.40	2.50
PEPPERMINT nat 60 lb case	28.00	29.00
Redia, USP, 60 lb cases	29.00	30.00
Petit Grain, S.A. 25 lb tins	2.25	2.30
French, 1 lb bot	6.50	7.00
Italian, 25 lb tins	2.20	2.30
Pimento, 25 lb tins	5.00	5.25
Pine Sylvestris 25 lb tins	1.40	1.75
Pumilio, USP, 25 lb tins	2.25	2.60
Rose, Fr., 8, 16, 32 lb cans	9.00	9.50
Bulg., 8, 16, 32 lb cans	9.50	11.00
Artificial, 1 lb bot	2.00	2.75
Sassaparilla, USP, 27 1/2 lb tins	47 1/2	52 1/2
Tech, 1000 drums	.45	.47
Tech, 27 1/2 lb tins	.37 1/2	.38
Sue, 1 lb bot	...	4.00
Sandalwood E Ind USP, 75 lb	...	...
Caper	7.10	7.25
W. Indian (Amayria) 25 lb tins	1.85	2.00
Sassafras, USP, 50 lb cans	.80	.90
Artificial, 1000 lb drs. 60 lb cans	.27	.29
Savin, 50 lb tins	2.00	2.15
Spearmint USP, 60 lb cans	14.00	15.00
Spruce, 50 lb tins	.80	.85
Tansy, Amer., 20 lb tins	6.50	7.00
Tar, 50 gal bbls	.25	.30
USP, 25 lb tins	...	...
Thyme, red, USP, 25 lb tins	.80	.85
White, USP, 25 lb tins	.95	1.00
Tech, 110 lb drums	.65	.70

Vetiver, Bourbon, 1 lb bot	17.00	18.00
Indian, 1 lb bot	30.00	40.00
Java, 1 lb bot	20.00	22.00
Wine, heavy, 1 lb bot	...	1.50
WINTERGREEN		
Sweet bch., 25 lb tins	3.00	4.50
Southern, 25 lb tins	1.85	2.00
Gaultheria, true 25 lb tins	7.00	8.00
Southern, 25 lb tins	3.75	4.00
Synthetic, see Methyl Salicylate		
Wormseed, Balt USP, 25 lb tins	5.00	5.25
Wormwood, dom., 25 lb tins	7.00	7.50
Ylang Ylang, Bourbon, 10 lb tins	...	...
No 1	8.00	9.00
No 2	6.00	7.00
Mandia, 1 lb bot	35.00	40.00

### OLEORESINS

Aspidium, USP, 1 lb bot	2.00	2.25
Capicum, USP, 1 lb bot	2.00	2.25
Cubeb, USP, 1 lb bot	4.00	4.50
Ginger, 5 lb bot	3.50	3.75
Mastic, see Aspidium		
Orris, 1 lb bot	15.00	18.00
Pepper, black USP, 1 lb bot	3.50	3.75
Vanilla, 1 lb bot	12.50	16.50

## Aromatic Chemicals

### NATURAL DERIVATIVES

Anethol, 25 lb bot	1.00	1.25
Borneol, 1 lb bot	2.50	2.60
CITRAL, 25 lb cans	2.75	3.00
Citronellal 1 lb bot	2.50	3.00
EUCALYPTOL, USP, 50 lb cans	.90	.95
Eugenol, USP, 25 lb cans	2.75	3.00
Geraniol, Domestic, 50 lb cans	2.50	3.00
Imported, 5 lb bot	2.75	3.25
Isa-Eugenol, 1 lb bot	3.75	3.90
Imported	3.75	3.90

Linalool, 5 lb bot	6.00	6.25
From Bois de Rose, 5 lb bot	7.00	7.25
MENTHOL, 60 lb cases	8.65	8.90
less cases, 5 lb cans	8.90	9.25
Rhodinol, 1 lb bot	16.00	20.00
Extra, 1 lb bot	35.00	42.00
SAFROL, drums	...	.31
60 lb cans	...	.35
Thymol, USP, 25 lb tins	4.25	4.50

### SYNTHETIC AROMATICS

Acetophenone, CP 1 lb bot	3.50	3.75
Aldehyde, C-8 (Octyl) 1 lb bot	45.00	60.00
C-9 (Nonyl), 1 lb bot	70.00	75.00
C-10 (Decyl), 1 lb bot	50.00	58.00
C-12 (Dodecyl), 1 lb bot	27.50	32.50
C-14, 1 lb bot	22.50	25.00
C-16, 1 lb bot	70.00	80.00

### Ambepine, see Anisic Aldehyde

Amyl Acetate, pure 5 gal cans	4.75	5.50
Butyrate, 1 lb bot	1.90	2.00
Cinnamate, 1 lb bot	4.00	4.50
Formate, 1 lb bot	1.75	2.00
Phenyl Acetate, 1 lb bot	4.50	5.00

SALICYLATE, dom. 100 lb	...	...
chys	1.45	1.50
Imported	2.25	2.50
Valerate, 5 lb bot	2.75	3.00
Anisic Aldehyde, 1 lb bot	3.00	3.35
BENZALDEHYDE, USP, 40 lb chys	1.15	1.25
FFC, 40 lb chys	1.30	1.40
Imported, USP	1.10	1.25

### Benzoin Ether, See Ethyl Benzoin

Benzophenone 1 lb bot	4.50	5.00
Benzyl Acetate, 100 lb chys	1.30	1.40
Alcohol, 5 lb bot	1.40	1.50
BENZOATE 5 lb bot	1.35	1.40
Medicinal FFC	1.45	1.60
Butyrate, C.P., 1 lb bot	6.00	6.50
Cinnamate 1 lb bot	9.75	10.00
Formate, 1 lb bot	3.00	3.25

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## Aromatic Chemicals

Benzyl Propionate, 1 lb bot ..D	5.00	: 5.25	iso-Safrol, 1 lb bot. imp .....	D	3.75	: 4.00	Terpinyl Acetate 25 lb cans .....	D	1.25	: 1.35	
Benzyl Acetate, 1 lb bot .....	D	3.25	: 3.50	Domestic, 5 lb bot .....	D	3.50	: 3.75	Imported, 25 lb cans .....	D	1.25	: 1.35
Brometyl, 25 lb cans .....	D	3.75	: 4.25	Linolyl Acetate, 1 lb bot .....	D	8.00	: 9.50	TERPENEOL, CP, 1,000 lb drs .....	D	.30	: .32
Butyl Anthranilate 1 lb bot dom. D	...	16.00		Benzoate, 1 lb bot. ....	D	13.00	: 14.00	Cans, 50 lb .....	D	.34	: .35
Butyric Ether, See Ethyl Butyrate				Formate, 5 lb bot. ....	D	10.50	: 12.00	Absolute, 25 lb cans .....	D	.50	: .60
Cinnamic Acid, 5 lb cans .....	D	2.90	: 3.25	Methyl Acetophenone .....	D	3.75	: 4.00	Imported, 25 lb cans .....	D	.36	: .38
Alcohol, Liquid 1 lb bot .....	D	6.00	: 7.00	ANTHRANILATE dom. 1 lb bot D	2.50	: 3.25		VANILLIN, USP 500 oz cans. oz	...	.49	
Crystallizable .....	D	7.00	: 8.00	Imported .....	D	2.50	: 3.00	Cans, 16 oz., 80 oz .....	oz	.50	: .51
Aldehyde .....	D	3.00	: 3.25	Benzoate, 5 lb bot. import ..	D	1.90	: 2.00	Second Hands .....	oz	.45	: .48
CITRONELLAL, 1 lb bot .....	D	7.50	: 9.00	Domestic, 5 lb bot .....	D	1.75	: 2.00	Valerianic Ether, See Ethyl Valerate			
Imported 1 lb bot .....	D	7.75	: 9.00	Cinnamate, 1 lb bot .....	D	3.75	: 4.25	Yara Yara, 1 lb cans .....	D	1.50	: 1.60
Citronalyl Acetate, 1 lb bot ..	D	13.00	: 14.00	Heptenoate, 1 lb bot .....	D	8.00	: 8.50	PERFUMERS' SUNDRIES			
COUMARIN, 25 lb cans .....	D	3.10	: 3.25	Paracresol, 1 lb bot .....	D	8.00	: 9.00	Almond Meal, 25 lb cans .....	D	.24	: .25
DIETHYL PHTHALATE, See Chemicals				Phenylacetate, 5 lb bot. dom. D	3.75	: 4.00	Amber, Liquid, 400 lb drs .....	D	2.20	: 2.30	
Diphenyloxide, 25 lb tins .....	D	.85	: .90	SALICYLATE, USP 500 lb			Ambergris, black, bxs .....	oz	8.00	: 10.00	
Ethyl Acetate, pure, 5 lb bot ..	D	.45	: .50	drums .....	D	...	Ambergris, gray, bxs .....	oz	...	: 26.00	
Benzoate, 5 lb bot. ....	D	1.75	: 1.90	50 lb cases .....	D	...	Balsam Copaiba, Para, 80 lb cases D	...	.42	: .45	
Butyrate, 5 lb bot. ....	D	1.90	: 2.10	Second Hands .....	D	.42	: .43	South American, 80 lb cases ..	D	.44	: .47
Caproate, 1 lb bot .....	D	3.25	: 3.50	Mirbane, rect. 1000 lb drums D	10	: 12		Pera, 120 lb cases .....	D	1.75	: 1.80
Cinnamate, 1 lb bot. ....	D	3.50	: 3.75	Musk Ambrette, 1 lb cans .....	D	10.00	: 10.50	Tolu, 90 lb cases .....	D	1.40	: 1.50
Formate, 5 lb bot. ....	D	.90	: 1.25	Ketone, 1 lb cans .....	D	11.50	: 12.00	Benzoin Gum, Siam, bxs .....	D	1.50	: 1.60
ethyl-methyl Paracresol, 1 lb bot. D	3.25	: 3.50		Xylene, 5 lb cans .....	D	3.25	: 3.50	Castoreum, 1 lb bot .....	D	3.75	: 4.00
Ethyl Phenylacetate, 5 lb bot ..	D	3.75	: 4.00	Nerolin, 1 lb cans .....	D	1.50	: 1.60	Chalk, precip. light, 175 lb bbls D	...	.04	: .05
Propionate, 1 lb bot. ....	D	1.75	: 2.00	Oenanthal Ether, 1 lb bot .....	D	1.75	: 2.00	Cherry Laurel Water, 5 gal cans. gal	...	1.15	: 1.25
Valerate, 5 lb bot. ....	D	...	: 3.75	Para-Cymene, Refd., 110 gal. dr. gal	2.25	: 2.50		Civet Abyssin horns .....	D	2.10	: 2.25
Salicylate, 5 lb bot. ....	D	2.00	: 2.10	Phenylacetaldehyde, Dom.,				Labdanum, 5 lb bot .....	D	7.50	: 8.00
Formic Ether, See Ethyl Formate				1 lb bot. 50 p.c. ....	D	8.00	: 8.50	Lanolin hydrous, 350 lb bbls .....	D	.15	: .31
Geranyl Acetate, 1 lb bot .....	D	4.50	: 5.00	Imported, 50 p.c. ....	D	7.00	: 7.50	Anhydrous, 350 lb bbls .....	D	.18	: .23
Butyrate, 1 lb bot. ....	D	13.00	: 13.50	80-85 p.c. ....	D	14.00	: 16.00	Musk pods, Cabardine, tins .....	oz	16.00	: 17.00
Formate, 1 lb bot. ....	D	12.00	: 12.50	Phenylacetic Acid, 1 lb bot .....	D	3.00	: 3.25	Tonquin, tins .....	oz	22.00	: 25.00
Helliotropin, dom., 100-10 lb. lb	1.65	: 1.75		Phenyl Diacetate, low. bot. ....	oz	3.25	: 3.50	Grains. Cabardine, tins .....	oz	25.00	: 26.00
Imported .....	D	2.00	: 2.25	1 lb bot. ....	D	8.00	: 10.00	Tonquin, tins .....	oz	34.00	: 35.00
Hydroxycitronellal, 1 lb bot. ....	D	12.00	: 14.00	Imported .....	D	7.00	: 7.75	Synthetic, See Aromatic Chemicals			
Indol, CP, 1 oz. bot. ....	oz	6.00	: 6.50	Phenylethyl Alcohol, 1 lb bot ..	D	6.00	: 7.00	Orris Rt, Flor., powd. bbls .....	D	.12	: .13
Isonone, 1 lb bot. 100% .....	D	10.00	: 11.00	Phenylethyl Butyrate, 1 lb bot ..	D	24.00	: 26.00	Verona, powd. bbls .....	D	.10	: .11
Alpha .....	D	14.50	: 16.00	Formate, 1 lb bot. ....	D	19.00	: 21.00	Petrolatum, snow white 350 lb bbls D	...	.12	: .13
Beta .....	D	12.75	: 14.50	Propionate, 1 lb bot. ....	D	20.00	: 24.00	Light Amber, 350 lb bbls .....	D	.04	: .04
Methyl .....	D	18.00	: 18.90	Valerate, 1 lb bot. ....	D	25.00	: 29.00	Rice Starch, 140 lb bgs .....	D	.09	: .10
iso-Butyl Benzoate, 5 lb bot .....	D	4.75	: 5.00	Phenylpropylalcohol, 1 lb bot ..	D	15.00	: 16.00	Rose Water, 6 2-3 gal chys .....	gal.	1.00	: 1.25
				Skatol, 1 oz. bot. ....	oz	7.00	: 7.20	Sandalwood chips, powd. bags ..	D	.45	: .55

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**ALBUMEN**—30 cs., Wah Chang Trdg Co., Shanghai; 10 cs., Imperial Comm Co., Shanghai; 1,387 bgs., Swift & Co., Shanghai; 36 cs., Dodwell & Co., Shanghai; Blood, 10 cks., Amer Exch Nat Bank, Hamburg

**ALUM**—67 brls., Amer Hawaiian S S Co., Hull

**AMMONIUM CARBONATE**—10 cks., J. Turner & Co., Southampton; Nitrate, 159 cks., Kuttroff Pickhardt & Co., Hamburg; Persulfate, 10 cks., Jungmann & Co., Hamburg; Sulfate, 254 bgs., Kuttroff Pickhardt & Co., Hamburg

**AMYL ACETATE**—1 case, Amer Shpg Co., Hamburg

**ANTIMONY**—400 cs., Watson Geach & Co., London; 250 cs., Mitsui Bussan Kaisha, London; 500 cs., Wah Chang Trdg Co., Shanghai; Regulus, 30 cks., Brandeis Goldschmidt & Co., London; 200 cs., Order, London; 500 cs., Wah Chang Trdg Co., Shanghai; 250 cs., Assoc Metals & Minerals Corp., Hamburg; 250 cs., Order, Hamburg; Star, 168 cks., S. Fullwood, Newcastle On Tyne; Sulfuret, 11 cks., Order, Southampton

**ARGOLS**—21 cks., Tartar Chem Works, Naples; 25 cks., Tartar Chem Works, Naples; 923 bgs., Tartar Chem Works, Marseilles;

519 bgs., C. Pfizer & Co., Marseilles; 205 bgs., Harshaw Fuller & Goodwin, Marseilles

**ARSENIC**—Metallic, 5 drs., Amer Exch Pacific Nat Bank, Hamburg

**BALSAM**—95 cs., Bank of N. Y. & Trust Co., Para

**BARIUM**—Chloride, 65 cks., Guaranty Trust Co., Antwerp; 66 cks., Order, Antwerp; Hydrate, 20 cks., Jungmann & Co., Hamburg; Nitrate, 43 cks., Roessler & Hasslacher Chem Co., Hamburg

**BARK**—Cinchona, 340 bls., Order, Rotterdam

**BARYTES**—1,100 bgs., Order, Genoa; 300 bgs., 25 cks., C. J. Osborn Co., Bremerhaven

**BAY RUM**—20 brls., Hudson Tea Co., San Juan; 100 cs., Lo Curto & Funk, San Juan

**BERRIES**—Juniper, 300 bgs., Order, Leghorn

**BONE ASH**—5 bls., Heicke Gelatine Works, Hamburg

**BONE MEAL**—1,120 bgs., Hollingshurst & Co., Hamburg

**BUTANOL**—43 cks., Commercial Solvent Corp., Ascher, Havre

**CARBON**—Decolorizing, 45 bgs., G. W. Sheldon & Co., London

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**CHALK**—2,700 bgs., Nat City Bank, Antwerp; 400 bgs., Reichard Coulston Inc., Antwerp; 1,000 bgs., Order, Antwerp; 500 tons, Baring Bros., & Co., London; 30 bgs., Order, London; 550,000 kilos, Taintor Trdg Co., Dunkirk; 500 tons, Taintor Trdg Co., Southampton; 570 bgs., Cooper & Cooper, Antwerp; 710 bgs., Amer Exch & Pac National Bank, Antwerp; 200 bgs., Lehn & Fink, Hamburg

**CHEMICALS**—4 cs., 5 brls., Roessler & Hasslacher Chem Co., Hamburg; 5 cks., Pfaltz

& Bauer, Hamburg; 5 cs., Lo Curto & Funk, Hamburg; 250 brls., Cooper & Cooper, Hamburg; 2 cs., G. Gennert Inc., Hamburg; 40 cs. N. Y. Quinine & Chem Works, Hamburg; 40 cs., Kachurin Drug Co., Hamburg; 442 cans, Anglo So. Amer Trust Co., Havre; 100 cks., A. Klipstein & Co., Bremerhaven; 174 brls., Roessler & Hasslacher Chem Co., Rotterdam; 140 brls., H. Hinrichs Chem. Corp., Rotterdam; 1,000 bgs., P. Uhlich & Co., Rotterdam; 11 cs., Order, Rotterdam; 10 cks., Order, Antwerp; 3 brls., Order, Southampton; 10 cs., Order, Antwerp; 42 pgs., Pfaltz & Bauer, Hamburg; 6 cs., Lo Curto & Funk, Hamburg; 4 cs., N. Y. Quinine & Chem Works, Hamburg; 7 cks., Eimer & Amend, Hamburg; 74 cs., Kachurin Drug Co., Hamburg; 35 cylinders, 1 cse., Globe Shpg Co., Hamburg; 6 cs., Order, Hamburg; 50 brls., 250 bgs., E. M. Sergeant & Co., Hamburg; 250 brls., Clegg Chem Co., Hamburg; Compounds, 50 drs., Lo Curto & Funk, Hamburg; Products, 12 cs., E. Fougere & Co., Havre; 7 cs., Laboratoire Fraisse, Havre; 5 cs., Order, Havre; 6 cks., H. A. Metz & Co., Rotterdam; 84 carboys Jungmann & Co., Rotterdam

**CLAY**—165 brls., Milton Snedeker Corp., Rotterdam

**COAL TAR PREPARATIONS**—1 case, Franklin Imp & Export Co., Hamburg

**COBALT SULFATE & OXIDE**—9 cks., Perry Rver & Co., Southampton

**COCHINEAL**—21 bgs., Order Marseilles

**COLORS**—3 cs., B. F. Drakenfeld & Co., Havre; 65 cylinders, Sandoz Chem Works, Havre; 31 cks., Geigy Co., Havre; 30 pgs., Ciba Co., Havre; 18 brls., Carbic Color & Chem Co., Havre; 92 pgs., Ciba Co., Havre; 2 cks., Order, Havre; 2 brls., Geigy Co., Rotterdam; 2 cks., General Dyestuff Corp.,

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- CUPPER-oxide**, 4 brls., Roessler & Hasslacher Chem. Co., Hamburg; Sulfate, 200 bgs., Order, Southampton
- CORNA**—240 bgs., Franklin Baker Co., Belize
- CREOSOTE**—50 cts., Merck & Co., Hamburg
- CUTTLEFISH BONE**—32 pgs., Order, Bordeaux
- DACUS**—9 bgs., Peck & Velsor, Hamburg; 50 bgs., Order, Hamburg; 30 brls., Innis Speiden & Co., Hamburg; 30 brls., C. H. Keisig, Havre; 6 cks., Burroughs Wellcome & Co., Southampton; 15 brls., Order, Hamburg; 20 cks., Orger, London; 12 brls., Orger, Hamburg
- EARTH**—2 brls., F. B. Vandegrift & Co., Leghorn; 25 brls., Order, Leghorn
- EPSOM SALTS**—250 bgs., 249 brls., Order, Hamburg; 201 brls., Innis Speiden & Co., Hamburg
- ERGOT**—28 bgs., Baldwin Universal Co., Vigo
- ETHYL ACETO ACETATE**—11 cks., Cincinnati Chem Works, Havre
- ETHYL CHLORIDE**—11 cks., Hensel Bruckmann & Lorbacher, Hamburg
- EXTRACTS**—Archil Liquor, 5 cks., M. Mohrmann, Southampton; Logwood, 170 brls., Logwood Mig Corp., Cape Haitian; Quebrache, 12,305 bgs., Intern Products Co., Buenos Aires
- FORMALDEHYDE & HYDROSULFITE**—60 drs., E. Ritter, Hamburg
- FORMOSUL**—100 kgs., A. Klipstein & Co., Southampton
- FULLERS EARTH**—500 bgs., L. A. Salomon & Bro., Southampton
- GELATIN**—62 cts., P. Puttmann, Rotterdam; 215 brls., H. A. Sinclair, Rotterdam; 60 cks., Amer Exp Co., Rotterdam
- GLAUBER SALTS**—250 bgs., H. Hinrichs Chem Corp., Hamburg; 125 bgs., Seaboard Nat Bank, Hamburg
- GLUE**—30 brls., M. Miller, Antwerp; 300 bgs., J. J. Shore & Co., Newcastle on Tyne; 17 bgs., W. E. Miller, Havre; 100 bgs., Order, Bordeaux
- GLYCERIN**—100 drs., Brown Bros. & Co., Antwerp; 140 drs., Order, Genoa; 10 drs., Brown Bros. & Co., Antwerp; 59 drs., Marx & Rawolle, Havana
- GUMS**—100 cks., Crude Rubber Brokerage Co., Havre; 15 cks., British Bank of So. America, Southampton; 210 bgs., Chiclé Dev Co., Belize; Copal, 68 pgs., Chem Nat Bank, Antwerp; 75 cks., L. C. Gillespie & Sons, Singapore; 192 bgs., Chem Nat Bank, Singapore; 466 bgs., W. Schall & Co., Antwerp; 93 bgs., Nat City Bank, Antwerp; 48 bgs., Chem Nat Bank, Southampton; 25 bgs., S. Winterbourne & Co., London; Damar, 31 pgs., Nat City Bank, Singapore; 50 cks., Chem Nat Bank, Singapore; 300 cks., Innes & Co., Batavia; 100 cks., Amer Exch Nat Bank, Batavia; 150 cks., Paterson Boardmann & Knapp, Batavia; 200 cks., Irving Bank, Batavia; 63 bgs., S. Winterbourne & Co., London; Elemi, 159 cks., G. H. Lincks, Hamburg; Gamboge, 5 cks., Nat City Bank, Singapore; Mastix, 19 cks., Stamoulis Bros., Piraeus; 15 cks., Order, Piraeus; Perillo, 189 bgs., W. Wrigley & Co., Pto Corinto; Tragacanth, 18 cks., Orbis Products Trdg. Co., London; 10 cks., Order, Bremerhaven; 20 cks., M. Mohrmann, Southampton; 33 bgs., Thurston & Braiddich, Hamburg
- HERBS**—17 brls., Order, Hamburg; 23 cks., F. L. Kraemer & Co., Rotterdam; 4 brls., S. B. Penick & Co., Hamburg; 3 brls., S. B. Penick & Co., Hamburg
- HOPS**—5 brls., Hensel Bruckmann & Lorbacher, Hamburg; 68 pgs., J. Sonnenschein Hop Co., Hamburg
- IRON CHLORIDE**—19 cks., Jungmann & Co., Hamburg; 175 brls., Order, Hamburg; Perchloride, 66 cks., Order, Southampton; Vitriol, 48 brls., Eissing Imp Co., Hamburg
- IRON OXIDE**—11 cks., Amer Export Co., Havre; 3 cks., Order, Southampton; 220 brls., C. J. Osborn & Co., Malaga; 140 brls., W. Schall & Co., Malaga; 50 brls., Scott Libby Corp., Malaga; 170 brls., Reichard Coulston, Malaga; 100 brls., E. M. & F. Waldo, Malaga; 464 brls., C. K. Williamson & Co., Malaga; 2 brls., L. H. Butcher & Co., Malaga
- JUICE**—Lime, 130 cks., 2 brls., J. P. Smith & Co., London; Paw Paw, 2 cks., International Merc Marine Co., Southampton
- LEAVES**—50 brls., A. Gaidan Freres, Marseilles; 50 brls., Order, Marseilles; Belladonna, 37 brls., Order, Hamburg; Laurel, 44 brls., Order, Leghorn; Patchouli, 83 brls., Brown Bros. & Co., Singapore; Sage, 37 brls., Fantis & Coussegrois, Lyons
- LEECHES**—5 cks., Midwood Chem Co., Bordeaux; 1 cse., M. Yacobellis, Bordeaux
- LICORICE PASTE**—100 cks., H. Utard, Tarragona
- LINOLENITE OF LEAD & MANGANESE**—10 brls., Amer Shpg Co., Hamburg
- LITHOPONE**—40 cks., L. H. Fletcher & Co., Rotterdam
- LYCOPodium**—9 bgs., Order, Hamburg; 9 cks., Lo Curto & Funk, London
- MAGNESITE**—24 drs., P. Bance, Hamburg; 313 bgs., Speiden Whitfield & Co., Rotterdam; Calcined, 156 brls., 375 bgs., Innis Speiden & Co., Rotterdam; 294 bgs., Order, Antwerp
- MAGNESIUM**—Calcined, 52 cks., Order, New castle on Tyne; Chloride, 100 drs., Nat Bk. of Commerce, Hamburg; 6 drs., P. Bance, Hamburg; 147 drs., Nat Bank of Commerce, Hamburg; 367 drs., Innis Speiden & Co., Hamburg; 129 drs., Order, Hamburg; 184 drs., Mfrs Trust Co., Hamburg
- MARJORAM**—14 brls., Order, Hamburg
- MEDICINALS**—43 cks., J. Persenini Inc., Genoa; 3 cks., Burroughs Wellcome & Co., Southampton
- MENTHOL**—3 cks., Parke Davis & Co., Rotterdam
- OCHRE**—809 cks., Reichard Coulston Inc., Marseilles; 106 cks., J. L. Smith & Sons, Marseilles; 100 cks., Grace Nat Bank, Marseilles; 358 cks., A. Northridge, Marseilles; 23 brls., W. Schall & Co., Malaga
- OILS**—Cod, 125 cks., R. Badoek & Co., St. Johns; 155 cks., Cook & Swan Co., Halifax; 300 brls., Order, Hull; Codliver, 13 brls., Mend Johnson & Co., St. Johns; 100 brls., W. Fischer, Oslo; 170 brls., Order, Oslo; Haarlem, 25 cks., E. J. Farry, Rotterdam; Linseed, 60 brls., W. McDonald & Sons, Rotterdam; 79 drs., W. Van Doorn, Rotterdam; Olive, 600 cks., 50 brls., General Olive Oil Corp., Seville; 180 drs., Strohmeyer & Arpe Co., Seville; 109 cks., Pan Italian Comm Co., Seville; 100 cks., Cattagna & Co., Seville; 1420 cks., Princes & Co., Seville; 150 brls., 50 cks., F. Crisafulli, Seville; 100 cks., J. Kurtz & Son, Genoa; 300 cks., Gamanus Import Co., Genoa; 300 cks., Economou & Theodos, Genoa; 150 cks., J. Garneau & Co., Genoa; 100 cks., P. Pastene & Co., Genoa; 200 cks., H. Scaramelli & Co., Genoa; 225 cks., J. Garneau & Co., Marseilles; 502 cks., P. Pastene & Co., Genoa; 1,827 cks., Order, Genoa; 1,100 cks., Order, Leghorn; 105 cks., J. Wile & Sons, Nice; 100 cks., Lazard Freres, Malaga; Palm, 759 pgs., Niger Co., Antwerp; 9 cks., Order, Lagos; 55 drs., Wile Corp., Cotonou; 24 cks., Africard & Eastern Trdg Co., Africa; 301 Futts African & Eastern Trdg Co., Addah; 76 cks., Order, Accra; 320 cks., Niger Co., Africa; 150 cks., Niger Co., Opofo; 330 cks., Niger Co., Akassa; 256 cks., Irving Bank Abnema; 107 brls., Order, Hull; 423 cks., 110 drs., Southampton; 170 brls., Order, Hamburg; Peanut, 3 brls., Lamont Corliss & Co., Rotterdam; Rape, 150 brls., Vacuum Oil Co., Hull; 160 brls., Order, Hull; 136 brls., Order, Rotterdam; Sesame 230 brls., J. C. Francesconi & Co., Rotterdam; Sulphur, 300 brls., W. R. Grace & Co., Seville; 100 brls., Order, Seville; 100 brls., Bankers Trust Co., Seville
- OILS ESSENTIAL**—1 cse., G. Lueders & Co., Havre; 2 cks., Reure Bertrand Fils, Havre; 3 cks., Orbis Products Trdg Co., Havre; 12 cks., Polaks Fruit Works, Rotterdam; 2 cks., E. Leong Marseilles; 4 cks., J. Manheimer, Marseilles; 2 cks., Lo Curto & Funk, Grasse; 3 cks., Guaranty Trust Co., Grasse; 10 brls., Order, Tripoli; 7 drs., G. Lueders & Co., Malaga; 2 drs., Order, Malaga; 2 drs., Order, Batavia; 29 cks., Goldmann Sachs & Co., Hamburg; 2 drs., Order, Hamburg; 2 cks., C. Redden, Seville; 250 brls., W. Schall & Co., Seville; 200 brls., Ital Discount & Trust Co., Seville; 200
- brls., W. R. Grace & Co., Seville; Almond, 10 cks., W. J. Bush & Co., Marseilles; Bay, 11 cks., Santoni Fruit Packing Co., Arroyo; Camphor, 2 cks., Lo Curto & Funk, Grasse; Caraway, 1 drum, G. Lueders & Co., Hamburg; Citronella, 8 drs., J. W. Greene & Co., Batavia; Geranium, 3 cks., A. Chiris & Co., Marseilles; 33 cks., Davies Turner & Co., Marseilles; 4 cks., C. G. Euler, Marseilles; 3 cks., Order, Marseilles; 2 cks., 1 cks., A. Chiris & Co., Grasse; Juniper, 5 brls., Order, Barcelona; Lavender, 4 cks., Ungerer & Co., Marseilles; 11 cks., Order, Marseilles; 2 cks., Lanman & Kemp, Grasse; 1 cse., A. Chiris & Co., Grasse; 21 cks., Fritzsche Bros., Grasse; Lemon Grass, 4 drs., Goldmann Sachs & Co., Southampton; Orange, 50 cks., Barclays Bank, Kingston; Peppermint, 4 cks., D. W. Hutchinson & Co., Hamburg; Petit Grain, 5 cks., Order, Buenos Aires; Thyme, 2 cks., Lo Curto & Funk, Grasse; Vegetable, 25 drs., G. Lueders & Co., Seville; 4 drs., Anglo So. Amer Trust Co., Seville; 150 brls., C. Demetrius, Hamburg; Vetiver, 1 cse., Ungerer & Co., Marseilles; 3 cks., C. G. Euler Marseilles; 1 cse., A. Chiris & Co., Grasse; Ylang Ylang, 6 cks., S. Ferrer & Co., Manila
- OSSEINE**—449 bgs., Milligan & Higgins Glue Co., Havre; 585 bgs., Order, Havre
- OXIDE WHITE**—250 bgs., Associated Metals & Minerals Corp., Hamburg
- PHARMACEUTICAL PRODUCTS**—34 cks., G. J. Wallau, Havre; 20 pgs., Winthrop Chem Co., Rotterdam; 13 cks., Lo Curto & Funk, Havre
- PHOSPHORUS SESQUISULFIDE**—10 cks., Uniform Chem Products Co., Marchester
- PITCH**—Montan Wax, 900 bgs., Strohmeyer & Arpe Co., Hamburg; Wood, 26 bgs., Atlantic Fwdg Co., Hamburg
- POTASSIUM SALTS**—149 brls., Roessler & Hasslacher Chem Co., Havre; Caustic, 50 drs., T. H. Goldschmidt Corp., Hamburg; 10 drs., A. Klipstein & Co., Hamburg; 75 drs., T. H. Goldschmidt Corp., Hamburg; 25 drs., A. Klipstein & Co., Hamburg; 150 drs., Order, Hamburg; 35 cks., Merck & Co., Hamburg; 50 drs., Order, Hamburg; Chlorate, 1,250 cks., Seaboard Nat Bank, Hamburg; 2,400 cks., Uniform Chem Products Co., Hamburg; Chloride, 2,100 cks., Uniform Chem Products Co., Hamburg; Muriate, 500 bgs., Soc Comm Des Potasses d'Alsace, Antwerp; 500 bgs., Potash Imptg Corp of America, Hamburg; Nitrate, 1,016 bgs., Nuttrott Piekhardt & Co., Hamburg; 250 bgs., Babelle & Remich, Bordeaux; 1,016 bgs., 42 cks., Nuttrott Piekhardt & Co., Hamburg
- POTATO STARCH**—700 bgs., Stein Hall & Co., Rotterdam
- PYRIDINE**—46 drs., Cider, Hamburg
- RICE STARCH POWDER**—56 brls., L. A. Salomon & Bros., Rotterdam
- ROCHELLE SALTS**—14 cks., Order, Rotterdam
- ROOTS**—23 brls., M. Techew, Antwerp; 23 brls., Peck & Velsor, Hamburg; 16 bgs., Order, Hamburg; 11 bgs., Peck & Velsor, Hamburg; Alkanet, 16 brls., S. B. Penick & Co., Hamburg; Aitha, 7 bgs., Order, Leghorn; Ipecac, 2 cks., L'edange Bros. & Sons, Cristobal; Medicinal, 32 bgs., Order, Barcelona; Orris, 46 bgs., Order, Leghorn; Rhubarb, 24 cases Serat Trdg Co., Shanghai
- ROSIN**—700 cks., Order, Bordeaux; 8 brls., Mecke & Co., Azua; 4 brls., Schutte & Focke, Parahana
- ROTTEN STONE**—11 bgs., J. H. Rhodes & Co., Hull; 209 bgs., R. J. Waddell & Co., Hull
- SAL AMMONIAC**—56 cks., Philipp Bauer & Co., Hamburg; 20 cks., A. Klipstein & Co., Hamburg
- SEED**—18 bgs., Peck & Velsor, Hamburg; 12 bgs., S. B. Penick & Co., Hamburg; Anise, 200 bgs., Order, Malaga; 150 bgs., Order, London; Annatto, 25 bgs., D. Steengrafe, Ponce; 1 ck., D. Steengrafe, Marseilles; Canary, 100 brls., C. E. Armstrong, Rotterdam; 350 bgs., Catz Amer Co., Rotterdam; 250 bgs., Equit Trust Co., Malaga; Cardamom, 3 cks., Lo Curto & Funk, London; Caraway, 10 brls., R. L. Friedler, Rotterdam; 175 bgs., Habicht Braun & Co., Rotterdam; 100 bgs., Wertheimer & Sons, Rotterdam; 200 bgs., Diehl & Co., Rotterdam; Cummin, 125 bgs., Order, Bordeaux; 300 bgs., Order, Marseilles; Fennel, 67 bgs., Order, Marseilles; Flex, 24,779 bgs., 4,479, 638 kilos Spencer Kellogg & Sons, Rosario; Mustard



## DRUG & CHEMICAL MARKETS

1575

150 bls., D. P. Cruikshank, Rotterdam; 150 bls., Irwin Harrison & Whitney, Rotterdam; 150 bgs., Catz Amer Co., Rotterdam; 150 bgs., Oruer, Rotterdam; 100 bgs., G. Segal & Co., Rotterdam; 100 bgs., Habicht Braun & Co., Rotterdam; 300 bgs., J. H. Forbes Tea & Coffee Co., Rotterdam; Sesame, 339 bgs., Order, Hamburg  
**SHELLAC**—79 cs., C. F. Gerlach, Rotterdam; 64 cs., Order, Marseilles, Garnet, 100 cs., Order, Hamburg; **Sticklac**, 140 bgs., Amsinck Sonne & Co., Singapore; 75 cs., Order, Singapore; 154 bgs., Order, Marseilles  
**SILVER-Sulfide**, 107 cs., Watson Geach & Co., Antofagasta  
**SODA**—300 cs., J. P. Smith & Co., Marseilles; 35 cs., Order, Tripoli; 42 brls., Amer Exp Co., Hamburg, 150 cs., F. Martin, Seville  
**SODIUM SALTS**—Acetate Anhydrous, 114 brls., Grasselli Dyestuff Corp., Rotterdam; Chlorate, 300 cs., Sealord Nat Bank, Hamburg; Cyanure, 442 cs., Anglo So. Amer Trust Co., Havre; **Pierre Cyanide**, 7 cs., E. Dietzgen & Co., Rotterdam; **Fluoride**, 61 cs., Jungmann & Co., Hamburg; 33 cks., Jungmann & Co., Hamburg; **Hydrosulfite**, 240 kegs, H. A. Metz & Co., Rotterdam; 40 kegs, Kutroff Pickhardt & Co., Rotterdam; **Hyposulfite**, 145 cks., E. M. Sergeant & Co., Marseilles; **Nitrate**, 295 cks., Kutroff Pickhardt & Co., Hamburg; 173 cks., Kutroff Pickhardt & Co., Rotterdam; 6,557 bgs., A. Gibbs & Co., Antofagasta; 13,099 bgs., Anglo So Amer Trust Co., Iquique; 6,615 bgs., Wessel Duval & Co., Iquique; 5,101 bgs., R. W. Greeff & Co., Oslo; **Nitrite**, 98 cks., R. W. Greeff & Co., Oslo; **Prussiate**, 45 cks., C. Tennant Sons & Co., Rotterdam; 76 cks., Order, Rotterdam; 22 cks., Superfos Co., Gothenburg; **Sulfhydrate**, 200 drs., C. S. Grant & Co., Hamburg; 163 drs., C. S. Grant & Co., Rotterdam  
**SPICES**—50 brls., Wolf Sayer & Heller Hamburg; **Cinnamon**, 10 bls., Order, London; **Ginger**, 50 cks., Grace Nat Bank, Hongkong; 6 brls., R. Maldonado & Co., San Juan; 7 brls., W. A. Domingo, San Juan; 32 bgs., Barclays Bank, Kingston; **Mace**, 120 cs., Order, Singapore; **Nutmegs**, 34 bgs., Order, Singapore; **Pepper**, Black, 5,915 bgs., Catz Amer Corp., T-lok Betong; **White**, 167 bgs., Catz Amer Corp., Hamburg; 466 bgs., Anglo So Amer Trust Co., London; 20 bgs., Order, London; **Red**, 25 bgs., H. Schoenfeld & Sons, Hamburg; **Pimento**, 25 bgs., Vpholem & Diamond, Alicante; 25 bgs., E. Marks & Co., Alicante; 50 bgs., Knickerbocker Mills Co., Alicante; 25 bgs., D. & L. Slade Co., Alicante; 25 bgs., Amer Hawaiian S. S. Co., Alicante; 30 bgs., Judson Freight Fwdg Co., Alicante; 100 bgs., Order, Alicante; 1,075 cs., Boera Bros., Valencia; 1,275 cs., Order, Valencia  
**SPONGES**—19 bls., American Sponge & Chamois Co., Turks Island; 128 bls., Lasker & Bernstein, Havana  
**STROMTUN CARBONATE**—58 cks., Hummel & Robinson, Hamburg  
**SULFUR**—200 sks., Heemsoth Basse & Co., Marseilles  
**TALC**—800 bgs., Whittaker Clark & Daniels, Bordeaux; 1,000 bgs., C. H. Chrystal & Co.,

Bordeaux; 500 bgs., L. A. Salomon & Bros., Bordeaux; 300 bgs., A. Klipstein & Co., Bordeaux; 900 bgs., Mathieu Co., Genoa; 750 bgs., Ital Discount & Trust Co., Genoa; 200 bgs., Order, Genoa; 150 bgs., R. Hudnut, Leghorn  
**TAPIOCA**—Flour, 288 bgs., Order, Batavia  
**THYMOL**—8 cs., N. Y. Quinine & Chem Works, London  
**TITANIUM POTASSIUM OXALATE**—40 cks., A. Klipstein & Co., Hamburg  
**UMBER**—11 cks., L. H. Butcher & Co., Hull; 20 cks., L. H. Butcher & Co., Manchester  
**URANIUM OXIDE**—4 cs., Roessler & Hasslacher Chem Co., Hamburg  
**UREA**—67 bgs., Kutroff Pickhardt & Co., Rotterdam; 30 cs., Order, Hamburg  
**VANILLA BEANS**—18 cs., Thurston & Braidich, Marseilles; 44 cs., P. H. Petry & Co., Marseilles; 15 cs., Amer Exch Nat Bank, Marseilles; 10 cs., P. H. Petry & Co., Marseilles  
**WAX**—Bees, 7 bgs., W. Schall & Co., Puerto Plata; 11 brls., A. J. Root Co., Havana; 19 bgs., D. Steengrafe, Ponce; 2 bgs., D. Steengrafe, Aguadilla; 44 brls., C. S. Spence & Co., Rotterdam; 52 bgs., Nat Bank of Commerce, Rotterdam; 29 sks., Duncan Fox & Co., Valparaiso; 25 bgs., Amer Trdg Co., Rio de Janeiro; 4 bgs., Selma Merc Corp., Arua; 5 bgs., Mecke & Co., Arua; 6 seroons, W. Schall & Co., Puerto Plata; Carnauba, 140 bgs., J. Munroe & Co., Ceara; 264 bgs., Order, Ceara; 694 bgs., Nat City Bank, Parnalyba; **Montan**, 70 bgs., Strohmeyer & Arpe Co., Hamburg; **Paraffin**, 800 bgs., Order, Southampton  
**WHITING**—5,704 bgs., Taintor Trdg Co., Dunkirk; 1,000 bgs., Hanmill & Gillespie, Havre  
**WOOL FLOUR**—400 bgs., A. Kramer & Co., Rotterdam; 235 bgs., Burnet & Co., Gothenburg; 1,050 bgs., B. L. Soberski, Oslo  
**WOOL GREASE**—200 brls., Sanitas Belting Co., Hull  
**ZINC AMMONIUM CHLORIDE**—107 cks., International Acceptance Bank, Rotterdam  
**ZINC**—4 cks., J. A. McNulty, Southampton; **Chloride**, 68 brls., Roessler & Hasslacher Chem Co., Hamburg; **Oxide**, 100 brls., A. Klipstein & Co., Marseilles  
**ZINC FORMOSUL HYDROSULFITE SODA**—100 kegs, Brewer & Co., Southampton

### IMPORTS AT SAN FRANCISCO

Nov. 14 to 21

**AGAR AGAR**—10 bales, Frazer & Co., Yokohama  
**CASSIA**—165 packages, S. L. Jones & Co., Padang  
**CHALK**—1,250 bgs., Order, Antwerp  
**COPRA**—2,228,998 lbs., Atkins, Kroll & Co., Singapore; 1,131,654 lbs., American National Bank, Singapore; 1,176,559 lbs., Kidder, Peabody Acceptance Corp., Zamboanga; 276,917 lbs., El Dorado Oil Works, Zamboanga; 338,240 lbs., Atkins, Kroll & Co., Zamboanga; 740,749 lbs., Pacific Oil & Lead Works, Cebu; 974,653 lbs., El Dorado Oil Works, Cebu

**COPRA MEAL**—1,120 sks., S. L. Jones & Co., Manila; 8,560 sks., Albers Bros., Milling Co., Manila  
**FLOWERS**—Pyrethrum, 20 bales, American Finance & Commerce Co., Kobe  
**GUMS**—Copal, 76 bags, Faring Bros. & Co., Singapore  
**KAPOK**—100 bales, Italian American Bank, Samarang; 100 bales, Order, Samarang; 250 bales, Balfour Guthrie & Co., Samarang; 87 bales, S. L. Jones & Co., Samarang  
**LIME**—66 drums, Meyer, Wilson & Co., Hamburg  
**OILS**—Bean, 100 bbls., Balfour, Guthrie & Co., Dairen; **Ced**, 25 bbls., Raymond Co., Rotterdam; 50 bbls., Charles Cable Co., Yokohama; **Coconut**, 150 drums, Willits & Patterson, Manila; 500 drums, Order, Manila; **Palm**, 292 bbls., J. D. Spreckels Co., Singapore  
**PIMENTO**—106 bags, Order, Cristobal  
**SALTPETRE**—50 bags, Order, Antwerp  
**SEED**—52 bags, C. C. Morse & Co., Rotterdam; 10 bags, Hoyt, Shepsten & Sciaroni, Clever, 10 bags, C. C. Morse & Co., Hamburg  
**SILVER SAND**—950 tons, Anglo & London Paris National Bank, Antwerp  
**SPICES**—Nutmegs, 50 bgs., Bank of California, Singapore; **Pepper**, 1,000 bags, Catz American Co., Samarang; 84 bags, H. W. Peabody & Co., Singapore; 200 bags, Atkins, Kroll & Co., Singapore  
**TAPIOCA**—Flour, 404 bgs, Stein Hall & Co., Patavia, **Seed**, 309 bags, National City Bank, Samarang; **Pearl**, 156 bags, H. M. Newhall & Co., Singapore  
**TURPENTINE**—600 cases, W. P. Fuller & Co., Manzanillo

### IMPORTS AT PHILADELPHIA

**ACID**—Cresylic, 41 drms., Order, Manchester  
**AMMONIUM CHLORIDE**—120 cks., Order, Rotterdam; 80 cks., Harshaw, Fuller & Goodwin, Rotterdam  
**BARK**—Cinchona, 2,505 bls., Order, Rotterdam  
**BERRIES**—Cubeb, 6 bgs., Equit Trust Co., Rotterdam  
**BAUXITE**—10,500 tons, Equitable Trust Co., Sebenico  
**CHALK**—300 bgs., Chatham & Phoenix Nat Bank, Antwerp; 1,000 tons, Brown Bros & Co., London  
**CHEMICALS**—80 balloons, Mechanics & Metals Nat Bk., Rotterdam; 35 cks., Roessler & Hasslacher Chem Co., Rotterdam; 250 bgs., Order, Rotterdam  
**CLAY**—500 tons, Moore & Munger, Bristol; 200 tons, Order, Bristol; 351 tons, J. W. Hampton Jr. & Co., Bristol  
**COAL TAR DISTILLATE**—20 drms., Monsant to Chem., Wks., Liverpool  
**GLYCERIN**—26 cks., Order, Marseilles; 80 cks., Marseilles  
**GUM**—Copal, 200 sks, Brown Bros & Co., Antwerp  
**MAGNESITE**—354 bgs., Order, Antwerp

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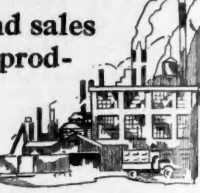
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Potassium Chloride  
Amyl Acetate  
Butyl Acetate

Ethyl Acetate  
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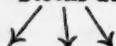
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## Bids and Proposals

BIDS are wanted on Nov. 25, by the Purchase and Issue Subdivision, Veterans Bureau, Washington, D. C. for Calcu Sulphas, Excusatus. Plaster Paris, as required during six months, ending June 30, 1926.

BIDS are wanted on Nov. 19, by the Bureau of Supply, Treasury Dept., Washington, D. C. for 2,000 lbs. sodium chlorate, 175 carboys muriatic acid, 4,000 lbs. sodium cyanide and 12 tubes tablets, digitan.

BIDS are wanted November 20, by the quartermaster intermediate depot, Fort Mason, Calif., for 7,500 cans concentrated lye, 7,700 lbs. sodium carbonate, 900 gals. neatfoot oil 2,000 lbs., chlorinated lime, 100 gals. neat's-foot oil, 1,100 gals. linseed oil, and 12 liters silver nitrate solution.

SODIUM SALT—Sealed bids are wanted November 20 by the medical section army supply base, Brooklyn, N. Y. for 185 bots. mercurated di-brom-fluorescein-sodium salt.

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BENZENE—Sales Agency wanted from direct American producer for Italian territory by responsible concern. Mercurio Informazioni Commerciali, Via Tritone, 62, Rome, Italy.

VETERINARY MEDICINES—advertiser desires to buy veterinary serums and vaccines for prevention and treatment of diseases of horse, swine, and cattle. Jose Mantua, Rue de Maria da Fonte 24, Lisbon, Spain.

PAPER BOX MAKERS—List of 1,000 Paper Box manufacturers for sale. Complete on Belknap stencils, ready for use, \$10.00. Box 317 DRUG & CHEMICAL MARKETS.

## Situations Wanted

EXPERIENCED MANUFACTURING CHEMIST—desires permanent position with progressive house—Insecticides, Disinfectants and Pharmaceutical Specialties. Box 335 DRUG & CHEMICAL MARKETS

CHEMIST who has had considerable, actual experience manufacturing aspirin, methyl salicylate, sodium salicylate and salicylic acid, wishes to hear from concern interested in these products. Reasonable proposition. Box 336 DRUG & CHEMICAL MARKETS

GERMAN CHEMIST experienced—for years consultant—recently arrived with latest important processes and prescriptions—is looking for an able commercial partner with good connections to financiers and industries. Box 332 DRUG & CHEMICAL MARKETS.

ASSISTANT SALES MANAGER—Getting excellent results but not satisfied. I am doing work of an Assistant Sales Manager now without the title. My future here limited by conditions outside my control. Am looking for place where I can use my nine years selling and buying experience in the Drug, Chemical and Alcohol lines to full advantage; 32 years old, married. Box 328 DRUG & CHEMICAL MARKETS.

THOROUGHLY qualified expert in the manufacture of flavoring extracts of any kind. European and American experience. Seeks position with conservative house as assistant or plant manager, Box 284, Drug & Chemical Markets.



"The Purity of 20 Mule Team Borax Products is Never Questioned."

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**BORIC ACID**  
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**'KEMFERT'**  
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**90 to 98% Potassium Chloride**

Write for specifications and price.

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**WRACKMEYER & CO.**

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PROPIONIC LACTIC  
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**SOLVENTS  
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**CAMPHOR SUBSTITUTES**

**THE KESSLER CHEMICAL CO.**

Manufacturing Chemists

**ORANGE, N. J.**



**Help Wanted**

AN ESTABLISHED NEW YORK HOUSE wants a sales director experienced directing sales of pharmaceuticals, specialties, ampules, glandulars, etc., to physicians. A good position for a high-grade competent man. Write qualifications and experience in confidence to Box 337 DRUG & CHEMICAL MARKETS.

CHEMIST WANTED—A young man who has had some experience in the Grocery Specialties, Baker's Supplies, and in making baking powders; meringue powders, cake mixes, extracts, and practically everything in food products. A wonderful chance for the right man for advancement if he is a willing and good worker. This position is in the Western territory. Box 338 DRUG & CHEMICAL MARKETS.

SALESMAN—Aggressive, experienced man, familiar with heavy chemicals, to sell consuming industries in New England, out of Boston. Salary and Commission, with expenses, and allowance for running a car, to the right man. Must give full particulars in first letter. Address "Cronkhite", 310 Congress Street, Boston, Mass.

WANTED—A Good Salesman. One who is a "Self-Starter"—who has a working knowledge of Essential Oils, and who isn't afraid of hard work. To such a man we offer an exceptional opportunity for promotion and good income. Greater New York territory. Write Now in confidence. Box 312 DRUG & CHEMICAL MARKETS.

SALESMAN—Dyestuffs, man with mill following to sell representative line of standard imported and domestic dyes. Reply Confidential. Box 300 DRUG & CHEMICAL MARKETS.

**Drugs and Chemicals**

CRUDE DRUGS—Hamburg shippers desire agent or agents in the United States to represent them in sale of botanicals in a large way. Box 340 DRUG & CHEMICAL MARKETS.

KAOLIN and TRIPOLI in large quantities direct from mines—analysis furnished. A. F. Tarin, Apartado 7257, Mexico City, Mexico.

ORTHO NITRO PHENOL—What can you offer us for 287 lbs. ortho-nitro-phenol of good quality  $\frac{1}{4}$  Box 305 DRUG & CHEMICAL MARKETS.

CAN FURNISH prime Cascara bark in car-load lots; 1924 and 1925 peel for immediate delivery. C. F. Huffman, Crescent City, Calif.

**Miscellaneous**

WANTED—to buy or sell, formulas, patents, processes, etc. Will pay cash or settle on a royalty basis. Box 330 DRUG & CHEMICAL MARKETS.

EMPTY CAPSULES—We offer Parke Davis & Co. or Eli Lilly & Co. No. 1 and No. 2 in original 100 to box; 5c per box, delivered. Lawrence Drug Company, 114 Lawrence St., Brooklyn, N. Y.

Bakelite Sheets—We have large surplus length 38", width 38", various thicknesses ranging from  $\frac{1}{4}$ " to  $\frac{1}{2}$ ". Willing to sacrifice. Box 320 DRUG & CHEMICAL MARKETS.

FOR SALE—Complete files of DRUG & CHEMICAL MARKETS, unbound, \$5.00 a volume.

**Plant Equipment**

WANTED—to buy used Chemist laboratory table with sink. Address O. Brassler, Englewood, N. J.

TABLETING MACHINE WANTED—experimental size for tablets down to one-eighth inch diameter, in good condition. State make and lowest price. Box 339 DRUG & CHEMICAL MARKETS.

WE have for sale the following list of machinery. Terms cash.

1 22" Schultz O'Neill Mill with Dust Box

1 28" " " "

3 20" " " Mills

1 Day Size C Sifter and Mixer

1 Abbe No. 2 Cutter

1 Bullock 100 H. P. 220 V. 204 Amp. 60 cycle 680 R. P., Motor

1 Sprague 75 H. P. 110 V. D. C. 420 R. P. M. Motor.

1 Mitts & Merrell Dye Wood Cutter or "H-g" complete with shaft. Box 310 DRUG & CHEMICAL MARKETS.

MACHINERY WANTED—In the market to purchase pharmaceutical manufacturing equipment such as bottle filling machine, mixing tank, pump, bottle washer, percolators, ointment filling machine, laboratory glassware, and other manufacturing equipment; in replying give prices and descriptions. Address Box 313 DRUG & CHEMICAL MARKETS.

*Manufactured by*

**JOH. A. BENCKISER'S**

Laboratories—Ludwigshafen on Rhine

**TARTARIC ACID U. S. P.**

Crystal, Powder, Granular

*Sole Agents*

**W. BENKERT & CO., Inc.**

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## THE NEWPORT QUALITY

Coal Tar  
Products

IN THE COURSE OF OUR PROCESS

*"Coal to Dyestuff"*

we produce many coal tar chemicals and intermediates. These we offer for sale in the same high quality standards that have given our colors their superior reputation. We are headquarters for the following and we solicit inquiries for others not listed:

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Para Toluidine	Cleves Acid
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Meta Toluylene Diamine	
Alpha Naphthylamine	
Sodium Naphthionate	



**Newport Chemical Works**  
INCORPORATED  
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**T**HE rewards of pioneering are reached only through the penalties of hard work. So Electro Bleaching Gas Co. has fairly earned the respect of the consuming industries by consistently good service over a long period.

As a result Liquid Chlorine is an indispensable in a number of fields—and the use of E B G Liquid Chlorine returns dividends through an increase in your plant efficiency.



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means adequate production facilities, ample container equipment and, without expense to you, the services of an experienced engineering staff which will advise, or indeed direct, the change in any installation from existing methods to Liquid Chlorine.



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Permits of more rapid connection and disconnection of chlorine containers to other equipment by eliminating the necessity of making threaded connections each time a new cylinder is put in service.

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Affiliated with  
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Main office 9 Feet 43rd Street New York

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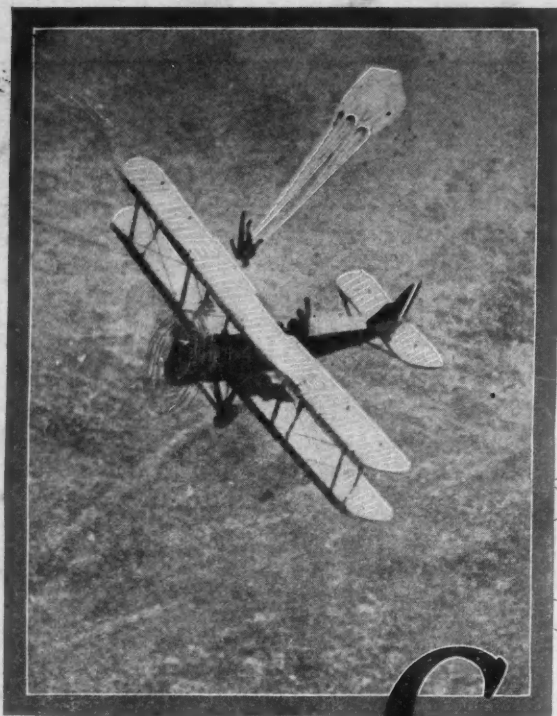
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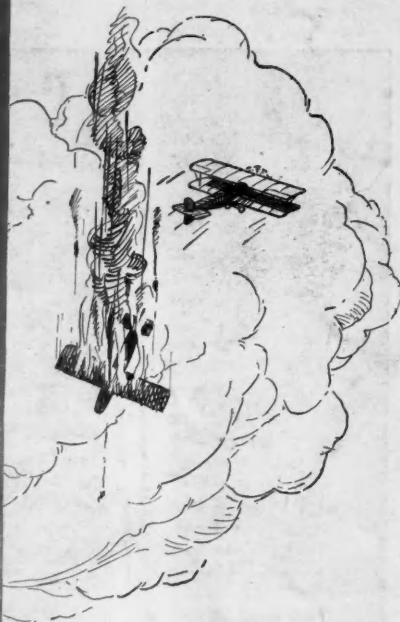
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Every facility for producing highest grade chemicals.

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